

The Commonwealth of Massachusetts

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ANNUAL REPORT

OF THE

TRUSTEES

OF THE

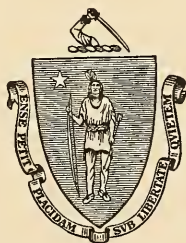
BOSTON STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1921

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THE EIGHTY-FIRST ANNUAL REPORT OF THE HOSPITAL  
FOUNDED IN 1839 BY THE CITY OF BOSTON



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# BOSTON STATE HOSPITAL.

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# The Commonwealth of Massachusetts

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## TRUSTEES' REPORT.

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*To His Excellency the Governor and the Honorable Council.*

The trustees of the Boston State Hospital have the honor to submit herewith their thirteenth annual report.

### MEETINGS AND MEMBERSHIP OF THE BOARD.

The Board has held as usual twelve monthly meetings. Under a rule adopted this year, the chairman is required to visit the hospital at least once each month, and of the monthly visiting committee of two, one is assigned to each group.

Dr. Hyman B. Swig having resigned his office because of removal from the State, Mr. David M. Watchmaker of Boston was appointed to the Board in March.

### PERSONS UNDER THE CARE OF THE TRUSTEES.

On Dec. 1, 1920, there were 1,765 patients in the hospital, 10 in private care and 374 on visit or escape, a total of 2,149 persons under the care of the Board. On Nov. 30, 1921, the total number was 2,212, of whom 1,915 were in the hospital, 8 in private care, and 289 on visit or escape.

### CONSTRUCTION AND IMPROVEMENTS.

During the year both dining room and kitchen buildings, one in the East Group and one in the West Group, were completed and are now in use and add a great deal to the ease of administration and to the comfort of the patients and employees. The nurses' home in the West Group was also completed and occupied. These three buildings were authorized in 1919, with supplementary appropriations in 1920 and 1921. No new con-

struction was authorized in 1920. In 1921 the following appropriations were made:—

For repairs or reconstruction of a certain sewer line . . . . .	\$5,000 00
For an addition to the present laundry building and certain new machinery . . . . .	15,000 00

The installation of the new sewer line has been completed and the addition to the laundry building is under way.

#### IMPROVEMENTS RECOMMENDED.

The following improvements and new construction were recommended to the Department of Mental Diseases:—

Administration building and staff quarters . . . . .	\$170,000 00
Superintendent's house . . . . .	20,000 00
New roof for buildings C and D, West Group, East Group chapel and adjoining corridors . . . . .	15,000 00
Bakery . . . . .	40,000 00
Concrete platform for coal storage . . . . .	5,000 00
New laundry machinery . . . . .	7,500 00
Addition to refrigerating room and additional refrigerating machinery . . . . .	25,000 00
New watch clock system, West Group . . . . .	3,000 00
Addition to garage . . . . .	3,500 00
Fencing . . . . .	5,000 00
New greenhouse . . . . .	5,500 00
Paint shop . . . . .	5,400 00
Automatic CO <sub>2</sub> and draft recorders . . . . .	2,400 00
Stokers for eight boilers . . . . .	32,500 00
Extension to sewer, water and steam lines . . . . .	12,000 00
Concrete pavement in front of power house . . . . .	10,000 00
Verandas, C building, East Group . . . . .	8,000 00
Verandas, G building, East Group . . . . .	5,000 00
Cottage for twenty farm employees . . . . .	30,000 00

#### ESTIMATES FOR MAINTENANCE.

The following are the estimates for the amount needed for maintenance for the ensuing year based upon the established salary scale and the data furnished by the Department of Mental Diseases:—



Personal services . . . . .	\$359,406 50
Religious instruction . . . . .	2,080 00
Travel, transportation, etc. . . . .	9,700 00
Food . . . . .	223,382 20
Clothing and material . . . . .	30,003 80
Furnishings and household supplies . . . . .	40,781 00
Medical and general care . . . . .	18,641 00
Heat, light and power . . . . .	40,047 88
Farm . . . . .	9,438 26
Garage, stable and grounds . . . . .	10,769 52
Repairs, ordinary . . . . .	20,564 04
Repairs and renewals . . . . .	51,360 93
Total . . . . .	\$789,175 13

This estimate is based on an expected population of 2,050 and may be compared with the appropriation for the current year of \$808,030 for a population of 1,950.

#### ADMINISTRATIVE DETAILS.

The reports of the superintendent and other officers are appended and give in full detail the operations of the hospital for the past year, with explanations of the needed additions and improvements. The trustees desire to express their appreciation of the loyal devotion of the officers to the service of the hospital and of their efforts to make the institution of the most effective usefulness to the Commonwealth.

HENRY LEFAVOUR.

KATHERINE G. DEVINE.

JOHN A. KIGGEN.

WILLIAM F. WHITTEMORE.

CHARLES B. FROTHINGHAM.

EDNA W. DREYFUS.

DAVID M. WATCHMAKER.

Nov. 30, 1921.

## SUPERINTENDENT'S REPORT.

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*To the Board of Trustees of the Boston State Hospital.*

In accordance with the provisions of the statutes, I am submitting for your consideration the report of the superintendent for the statistical year ending Sept. 30, 1921, and the fiscal year ending Nov. 30, 1921. Founded by the city of Boston in 1839, this completes the thirteenth year of the history of the institution as a State hospital and the eighty-second year of its continuous existence as a hospital for mental diseases.

### MOVEMENT OF POPULATION.

The census of the hospital on Sept. 30, 1920, was as follows: in the wards, men, 767, women, 996, total, 1,763; at home on visit, men, 81, women, 156, total, 237; boarding out, women, 8; and out on escape, men, 6, women, 2, total, 8; making a total of 2,016, 854 men and 1,162 women, in the custody of the hospital.

Three hundred and twenty-nine men and 340 women, a total of 669, were received during the year. This included the following: first admissions as insane, men, 188, women, 168, total, 356; readmissions as insane, men, 74, women, 63, total, 137; first admissions, temporary care, men, 8, women, 9, total, 17; readmissions, temporary care, men, 6, women, 4, total, 10; received from the psychopathic department, men, 29, women, 24, total, 53; and transferred from other institutions, men, 24, women, 72, total, 96. One hundred and seventy-six cases, including 79 men and 97 women, were discharged during the year. Three men and 12 women, a total of 15, were transferred to other institutions. One hundred and twenty-seven men and 150 women, a total of 277, died during the year.

The census on Sept. 30, 1921, was as follows: in the wards, men, 869, women, 1,070, total, 1,939; at home on visit, men,

103, women, 165, total, 268; boarding out, women, 8; and out on escape, men, 2; making a total of 2,217, 974 men and 1,243 women, in the custody of the hospital.

The total number of cases treated during the year was 2,685, 1,183 men and 1,052 women.

The average daily number of patients for the statistical year was: men, 921.04, women, 1,203.52, total, 2,124.57. The average daily number in the wards was: men, 824.69, women, 1,037.67, total, 1,862.36, or 87.66 per cent of the whole number. The average daily number at home on visit was: men, 92.38, women, 156.58, total, 248.96, or 11.72 per cent. The average daily number boarding out was: women, 8.87, or .42 per cent. The average daily number out on escape was: men, 3.97, women, .41, total, 4.38, or .20 per cent. The average daily number of committed cases was: men, 811.93, women, 1,020.89, total, 1,832.82, or 98.41 per cent of the number in the wards. The average daily number of voluntary cases was: men, 10.54, women, 15.41, total, 25.95, or 1.39 per cent. The average daily number of emergency cases was: men, .08, women, .07, total, .15, or .01 per cent. The average daily number of cases under complaint or indictment was: men, 5.87, women, 2.25, total, 8.12, or .44 per cent. The average daily number of temporary care cases was: men, 2.22, women, 1.37, total, 3.59, or .20 per cent. The average daily number of epileptics was: men, 14.87, women, 14.50, total, 29.37, or 1.58 per cent. The average daily number of private cases was: men, 13.67, women, 72.02, total, 85.69, or 4.6 per cent. The average daily number of reimbursing cases was: men, 30.68, women, 133.23, total, 163.91, or 8.8 per cent. The average daily number of cases supported by the State was: men, 746.79, women, 832.42, total, 1,579.21, or 84.8 per cent. There was a daily average of 33.55 soldier cases, or 1.8 per cent.

The recovery rate, based on the number of first admissions, was 12.87 per cent; based on the total number cared for during the year, 1.70 per cent; and based on the average daily number in the wards, 2.58 per cent.

The death rate, based on the total number cared for during the year, was 10.32 per cent; and based on the average daily number in the wards, 14.87 per cent. The death rate of the

hospital is unusually large when compared with that of other institutions of a similar character, as over 30 per cent of the population is of the infirmary type and 8 per cent represents actual bed cases. This is due to the fact that the acutely ill, the senile and the infirm cases from the city cannot be readily transported to distant institutions and are therefore committed to the Boston State Hospital. It is obvious that for the same reason too much significance should not be attached to the recovery rate.

Of the first admissions as insane, 171, or 48.03 per cent, were foreign born, and 314, or 88.20 per cent, were of foreign parentage on one or both sides. Sixty, or 16.85 per cent, were aliens.

The average age on admission was 50.03; 131, or 36.80 per cent, were sixty years of age or over, and 66, or 18.54 per cent, were seventy years of age or over.

The first admissions for the year, classified according to legal status, were as follows:—

	Males.	Females.	Totals.
Committed cases (section 30, chapter 504, Acts of 1909) .	148	140	288
Voluntary admissions (section 45, chapter 504, Acts of 1909)	1	2	3
Emergency commitments (section 42, chapter 504, Acts of 1909).	8	6	14
Cases held under complaint or indictment (chapter 46, General Acts of 1917).	1	—	1
Temporary care cases (chapter 174, General Acts of 1915) .	19	16	35
Observation cases (chapter 145, General Acts of 1919) .	11	4	15
Boston police cases (chapter 307, Acts of 1910) . . . .	—	—	—
Total . . . . .	188	168	356

Of the first admissions, as shown by the above table, 148 men and 140 women, a total of 288, or 80.89 per cent, were committed under the provisions of section 30 of chapter 504 of the Acts of 1909; 1 man and 2 women, a total of 3, or .84 per cent, were admitted as voluntary cases under the provisions of section 45 of chapter 504 of the Acts of 1909; 8 men and 6 women, a total of 14, or 3.96 per cent, were emergency cases, admitted under the provisions of section 42 of chapter 504 of the Acts of 1909; 1 man, or .28 per cent, held under complaint or indictment, was committed under the provisions of

chapter 46 of the General Acts of 1917; 19 men and 16 women, a total of 35, or 9.82 per cent, were admitted as temporary care cases under the provisions of chapter 174 of the General Acts of 1915; and 11 men and 4 women, a total of 15, or 4.2 per cent, were admitted for observation under the provisions of chapter 145 of the General Acts of 1919. No Boston police cases (chapter 307, Acts of 1910) and no cases pending examination and hearing (section 34, chapter 504, Acts of 1909) were admitted during the year.

Two hundred and eighty-eight committed cases (section 30, chapter 504, Acts of 1909) were admitted during the year. Of the 152 committed cases discharged, 38, or 25 per cent, were discharged as recovered; 80, or 52.63 per cent, as improved; 31, or 20.39 per cent, as unimproved; and 3, or 1.98 per cent, as without psychosis. Fourteen committed cases were transferred to other institutions for the insane.

Three voluntary cases (section 45, chapter 504, Acts of 1909) were admitted during the year. Of these, 1 died and 2 remained as voluntary cases at the end of the statistical year. Of the 6 voluntary cases discharged during the year, 2 were discharged as recovered; 3 as improved; and 1 as unimproved.

Fourteen emergency cases (section 42, chapter 504, Acts of 1909) were admitted during the year. Thirteen of these, or 92.85 per cent, were committed within a few days after admission and 1 remained at the end of the statistical year, being committed shortly thereafter.

One case, held under complaint or indictment, was admitted under the provisions of chapter 46 of the General Acts of 1917. This case is still in the institution.

Thirty-five temporary care cases (chapter 174, General Acts of 1915) were admitted during the year. Of these, 27, or 77.14 per cent, were committed; 3, or 8.57 per cent, changed to emergency status; 3, or 8.57 per cent, to voluntary; and 2, or 5.72 per cent, changed to observation status (chapter 145, General Acts of 1919).

Fifteen cases were admitted for observation (chapter 145, General Acts of 1919) during the year. All of these were subsequently committed.

Of the 356 first admissions, the cause was unascertained or



no cause given in 155 cases, or 43.54 per cent. In the 201 cases where a definite cause was assigned the etiological factors were as follows: senility, 41, or 20.4 per cent; arteriosclerosis, 26, or 12.93 per cent; syphilis, 45, or 22.39 per cent; alcoholism, 25, or 12.44 per cent; involutional changes, 6, or 2.99 per cent; and traumatism, 11, or 5.47 per cent. There was a family history of mental disease in 55, or 15.45 per cent, and a family history of nervous diseases in 23, or 6.46 per cent of the first admissions.

The forms of mental disease shown by the first admissions briefly summarized were as follows: senile psychoses, 76, or 21.35 per cent; psychoses with cerebral arteriosclerosis, 51, or 14.33 per cent; general paralysis, 43, or 12.08 per cent; alcoholic psychoses, 22, or 6.18 per cent; manic-depressive psychoses, 35, or 9.83 per cent; involution melancholia, 11, or 3.09 per cent; dementia præcox, 68, or 19.1 per cent; paranoia or paranoid conditions, 17, or 4.77 per cent; psychoses with psychopathic personality, 4, or 1.12 per cent; psychoses with mental deficiency, 8, or 2.24 per cent; undiagnosed psychoses, 5, or 1.40 per cent; and all other psychoses 1 per cent or less. The psychoses of all first admissions are shown in Table No. 6, on page 63.

The forms of mental disease shown by the readmissions briefly summarized were as follows: senile psychoses, 3, or 2.19 per cent; psychoses with cerebral arteriosclerosis, 5, or 3.66 per cent; general paralysis, 10, or 7.30 per cent; alcoholic psychoses, 7, or 5.11 per cent; manic-depressive psychoses, 54, or 39.41 per cent; dementia præcox, 31, or 22.63 per cent; paranoia or paranoid conditions, 7, or 5.11 per cent; psychoses with psychopathic personality, 4, or 2.92 per cent; psychoses with mental deficiency, 6, or 4.38 per cent; undiagnosed psychoses, 2, or 1.46 per cent; without psychosis, 5, or 3.66 per cent; and all other psychoses less than 1 per cent.

Of these readmissions, 101, or 73.72 per cent, were committed under the provisions of section 30 of chapter 504 of the Acts of 1909; 16, or 11.68 per cent, were voluntary admissions (section 45, chapter 504, Acts of 1909); 3, or 2.19 per cent, were emergency commitments (section 42, chapter 504, Acts of 1909); 4, or 2.92 per cent, held under complaint or indictment,

were committed under the provisions of chapter 46 of the General Acts of 1917; 10, or 7.3 per cent, were temporary care cases (chapter 174, General Acts of 1915); and 3, or 2.19 per cent, were observation cases (chapter 145, General Acts of 1919).

The forms of mental disease shown by the 53 cases received from the psychopathic department during October and November were as follows: senile psychoses, 5, or 9.43 per cent; psychoses with cerebral arteriosclerosis, 2, or 3.77 per cent; general paralysis, 8, or 15.09 per cent; psychoses with other somatic diseases, 2, or 3.77 per cent; manic-depressive psychoses, 8, or 15.09 per cent; involution melancholia, 2, or 3.77 per cent; dementia præcox, 13, or 24.53 per cent; paranoia or paranoid condition, 5, or 9.43 per cent; epileptic psychoses, 2, or 3.77 per cent; psychoses with mental deficiency, 2, or 3.77 per cent; and psychoses with other brain or nervous diseases, alcoholic psychoses, psychoneuroses and neuroses, and undiagnosed psychosis, 1 each.

The following tables show the psychoses of all first admissions classified according to legal status: —

*Psychoses of Committed Cases (Section 30, Chapter 504, Acts of 1909).*

	Males.	Females.	Totals.	TOTAL.		
				Males.	Females.	Totals.
Traumatic psychoses . . . . .	1	—	1	1	—	1
Senile psychoses . . . . .	12	41	53	12	41	53
Simple deterioration . . . . .	7	22	29			
Presbyophrenic type . . . . .	—	2	2			
Delirious and confused . . . . .	—	—	—			
Depressed and agitated . . . . .	2	4	6			
Paranoid states . . . . .	3	13	16			
Presenile types . . . . .	—	—	—			
Psychoses with cerebral arteriosclerosis . . . . .	26	15	41	26	15	41
General paralysis . . . . .	30	9	39	30	9	39
Psychoses with cerebral syphilis . . . . .	1	1	2	1	1	2
Psychoses with Huntington's chorea . . . . .	—	—	—	—	—	—
Psychoses with brain tumor . . . . .	—	—	—	—	—	—
Psychoses with other brain or other nervous diseases . . . . .	—	—	—	—	—	—
Alcoholic psychoses . . . . .	14	1	15	14	1	15
Pathological intoxication . . . . .	—	—	—			
Delirium tremens . . . . .	1	—	1			
Acute hallucinosis . . . . .	2	—	2			

*Psychoses of Committed Cases (Section 30, Chapter 504, Acts of 1909) —*  
*Concluded.*

	Males.	Females.	Totals.	TOTAL.		
				Males.	Females.	Totals.
Alcoholic psychoses — <i>Con.</i>						
Acute paranoid type . . . . .	1	—	1			
Korsakow's psychosis . . . . .	1	—	1			
Chronic hallucinosis . . . . .	1	1	2			
Chronic paranoid type . . . . .	2	—	2			
Alcoholic deterioration . . . . .	6	—	6			
Other types . . . . .	—	—	—			
Psychoses due to drugs and other exogenous toxins . . . . .				—	1	1
Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined . . . . .	—	1	1			
Psychoses with pellagra . . . . .				—	1	1
Psychoses with other somatic diseases . . . . .				2	—	2
Tuberculosis of the lungs . . . . .	2	—	2			
Manic-depressive psychoses . . . . .				16	17	33
Manic type . . . . .	8	9	17			
Depressive type . . . . .	8	7	15			
Stupor . . . . .	—	—	—			
Mixed type . . . . .	—	1	1			
Circular type . . . . .	—	—	—			
Involution melancholia . . . . .				3	6	9
Dementia præcox . . . . .				34	22	56
Paranoid type . . . . .	16	11	27			
Katatonic type . . . . .	13	8	21			
Hebephrenic type . . . . .	2	3	5			
Simple type . . . . .	3	—	3			
Paranoia and paranoid conditions . . . . .				1	16	17
Epileptic psychoses . . . . .				3	—	3
Deterioration . . . . .	—	—	—			
Clouded states . . . . .	2	—	2			
Other conditions:						
Post-epileptic mental enfeeblement . . . . .	1	—	1			
Psychoneuroses and neuroses . . . . .				—	2	2
Hysterical type . . . . .	—	1	1			
Psychasthenic type . . . . .	—	1	1			
Neurasthenic type . . . . .	—	—	—			
Anxiety neuroses . . . . .	—	—	—			
Psychoses with psychopathic personality . . . . .				1	1	2
Psychoses with mental deficiency . . . . .				1	5	6
Undiagnosed psychoses . . . . .				4	—	4
Without psychosis . . . . .				—	1	1
Epilepsy without psychosis . . . . .	—	—	—			
Alcoholism without psychosis . . . . .	—	—	—			
Drug addiction without psychosis . . . . .	—	—	—			
Psychopathic personality without psychosis . . . . .	—	—	—			
Mental deficiency without psychosis . . . . .	—	1	1			
Total . . . . .				149	139	288



*Psychoses of Voluntary Cases (Section 45, Chapter 504, Acts of 1909).*

	Males.	Females.	Totals.	TOTAL.		
				Males.	Females.	Totals.
Senile psychoses . . . . .	1	—	1	1	—	1
Simple deterioration . . . . .	—	—	—	—	—	—
General paralysis . . . . .	—	1	1	—	1	1
Dementia præcox . . . . .	—	1	1	—	1	1
Hebephrenic type . . . . .	—	—	—	—	—	—
Total . . . . .	1	1	2	1	2	3

*Psychoses of Emergency Cases (Section 42, Chapter 504, Acts of 1909).*

Traumatic psychoses . . . . .	—	—	—	1	—	1
Senile psychoses . . . . .	—	—	—	1	2	3
Depressed and agitated states . . . . .	1	—	1	—	—	—
Paranoid states . . . . .	—	2	2	—	—	—
Psychoses with cerebral arteriosclerosis . . . . .	—	—	—	2	—	2
Alcoholic psychoses . . . . .	—	—	—	—	1	1
Chronic hallucinosis . . . . .	—	1	1	—	—	—
Manic-depressive psychoses . . . . .	—	—	—	1	—	1
Depressive type . . . . .	1	—	1	—	—	—
Involution melancholia . . . . .	—	—	—	—	2	2
Dementia præcox . . . . .	—	—	—	2	1	3
Paranoid type . . . . .	1	1	2	—	—	—
Simple type . . . . .	1	—	1	—	—	—
Undiagnosed psychosis . . . . .	—	—	—	1	—	1
Total . . . . .	2	3	5	8	6	14

*Psychosis of Case held under Complaint or Indictment (Chapter 46, General Acts of 1917).*

Senile psychoses . . . . .	1	—	1	1	—	1
Simple deterioration . . . . .	—	—	—	—	—	—

*Psychoses of Temporary Care Cases (Chapter 174, General Acts of 1915).*

Traumatic psychoses . . . . .	—	—	—	1	—	1
Senile psychoses . . . . .	—	—	—	6	12	18
Simple deterioration . . . . .	4	6	10	—	—	—
Paranoid states . . . . .	2	6	8	—	—	—
Psychoses with cerebral arteriosclerosis . . . . .	—	—	—	5	1	6
Alcoholic psychoses . . . . .	—	—	—	3	—	3
Acute hallucinosis . . . . .	1	—	1	—	—	—
Alcoholic deterioration . . . . .	2	—	2	—	—	—

*Psychoses of Temporary Care Cases (Chapter 174, General Acts of 1915) —*  
*Concluded.*

	Males.	Females.	Totals.	TOTAL.		
				Males.	Females.	Totals.
Manic-depressive psychoses						
Manic type	1	1	1	—	1	1
Dementia præcox						
Paranoid type	2	—	2	3	2	5
Katatonic type	1	—	1			
Hebephrenic type	—	2	2			
Psychoses with mental deficiency				1	—	1
Total				19	16	35

*Psychoses of Observation Cases (Chapter 145, General Acts of 1919.)*

Psychoses with cerebral arteriosclerosis				2	—	2
General paralysis				2	1	3
Psychoses with Huntington's chorea				—	1	1
Alcoholic psychoses				3	—	3
Acute paranoid type	1	—	1			
Chronic paranoid type	1	—	1			
Alcoholic deterioration	1	—	1			
Dementia præcox				2	1	3
Paranoid type	1	1	2			
Simple type	1	—	1			
Psychoses with psychopathic personality				1	1	2
Psychoses with mental deficiency				1	—	1
Total				11	4	15

Fifty-nine temporary care cases (chapter 174, General Acts of 1915) were admitted during the year ending Sept. 30, 1921. Thirty-six were committed, 5 changed to emergency status, 3 to voluntary and 4 to observation status. Of the 7 discharges, 2, or 28.57 per cent, were discharged as recovered; 2, or 28.57 per cent, as unimproved; and 3, or 42.86 per cent, as without psychosis. Three died and 1 remained at the end of the statistical year.

One Boston police case (chapter 307, Acts of 1910) was admitted during the year. This was changed to observation status.

Twenty-three emergency cases (section 42, chapter 504, Acts of 1909) were admitted during the year. Of these, 20 cases

were committed, 1 was transferred to another institution, 1 died and 1 remained at the end of the statistical year.

Thirty-four observation cases (chapter 145, General Acts of 1919) were admitted during the year. Twenty-one were committed, 11 were discharged, 1 died and 1 case remained at the end of the statistical year. Of the 11 discharges, 3, or 27.27 per cent, were discharged as recovered; 2, or 18.18 per cent, as improved; 1, or 9.09 per cent, as unimproved; and 5, or 45.45 per cent, as without psychosis.

Five cases held under complaint or indictment (chapter 46, General Acts of 1917) were admitted during the year. Of these, 1 was discharged as unimproved and the remaining 4 are still in the institution.

Twenty-two voluntary cases (section 45, chapter 504, Acts of 1909) were admitted during the year. Two of these were committed, 7 discharged, 2 died and 11 remained at the end of the statistical year. Of the 7 discharges, 2, or 28.57 per cent, were discharged as recovered; 4, or 57.14 per cent, as improved; and 1, or 14.29 per cent, as without psychosis.

The following table shows the psychoses of all cases admitted as temporary care and subsequently committed: —

	Males.	Females.	Totals.	TOTAL.		
				Males.	Females.	Totals.
Traumatic psychoses . . . . .	.	.	.	2	—	2
Senile psychoses . . . . .	.	.	.	7	14	21
Simple deterioration . . . . .	4	6	10			
Depressed and agitated states . . . . .	1	—	1			
Paranoid states . . . . .	2	8	10			
Psychoses with cerebral arteriosclerosis . . . . .	.	.	.	9	1	10
General paralysis . . . . .	.	.	.	2	1	3
Psychoses with Huntington's chorea . . . . .	.	.	.	—	1	1
Alcoholic psychoses . . . . .	.	.	.	6	1	7
Acute hallucinosis . . . . .	1	—	1			
Acute paranoid type . . . . .	1	—	1			
Chronic hallucinosis . . . . .	—	1	1			
Chronic paranoid type . . . . .	1	—	1			
Alcoholic deterioration . . . . .	3	—	3			
Manic-depressive psychoses . . . . .	.	.	.	1	1	2
Manic type . . . . .	.	1	1			
Depressive type . . . . .	1	—	1			
Involution melancholia . . . . .	.	.	.	—	2	2

	Males.	Females.	Totals.	TOTAL.		
				Males.	Females.	Totals.
Dementia præcox . . . . .	4	2	6	7	4	11
Paranoid type . . . . .	1	1	2			
Katatonic type . . . . .	1	1	2			
Hebephrenic type . . . . .	2	1	3			
Simple type . . . . .						
Psychoses with psychopathic personality . . . . .				1	1	2
Psychoses with mental deficiency . . . . .				2	—	2
Undiagnosed psychoses . . . . .				1	—	1
Total . . . . .				38	26	64

The following table shows the psychoses of all admissions during the year, exclusive of transfers:—

	Males.	Females.	Totals.	TOTAL.		
				Males.	Females.	Totals.
Traumatic psychoses . . . . .				3	—	3
Senile psychoses . . . . .	15	31	46	24	62	86
Simple deterioration . . . . .	—	2	2			
Presbyophrenic type . . . . .	—	—	—			
Delirious and confused states . . . . .	3	6	9			
Depressed and agitated states . . . . .	6	23	29			
Paranoid states . . . . .	—	—	—			
Presenile types . . . . .						
Psychoses with cerebral arteriosclerosis . . . . .				41	18	59
General paralysis . . . . .				38	15	53
Psychoses with cerebral syphilis . . . . .				1	1	2
Psychoses with Huntington's chorea . . . . .				—	1	1
Psychoses with brain tumor . . . . .				—	—	—
Psychoses with other brain or nervous diseases . . . . .				—	—	—
Alcoholic psychoses . . . . .				25	6	31
Pathological intoxication . . . . .	1	—	1			
Delirium tremens . . . . .	1	—	1			
Acute hallucinosis . . . . .	6	—	6			
Acute paranoid type . . . . .	2	1	3			
Korsakow's psychosis . . . . .	1	1	2			
Chronic hallucinosis . . . . .	2	2	4			
Chronic paranoid type . . . . .	2	2	4			
Alcoholic deterioration . . . . .	10	—	10			
Other types, acute or chronic . . . . .	—	—	—			
Psychoses due to drugs and other exogenous toxins . . . . .				—	2	2
Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined . . . . .	—	2	2			
Psychoses with pellagra . . . . .				—	1	1
Psychoses with other somatic diseases . . . . .				2	3	5
Tuberculosis of the lungs . . . . .	2	1	3			
Encephalitis lethargica . . . . .	—	1	1			
Possibly beginning glaucoma . . . . .	—	1	1			

	Males.	Females.	Totals.	TOTAL.		
				Males.	Females.	Totals.
Manic-depressive psychoses . . . . .				45	45	90
Manic type . . . . .	22	21	43			
Depressive type . . . . .	21	23	44			
Stupor . . . . .	—	—	—			
Mixed type . . . . .	2	1	3			
Circular type . . . . .	—	—	—			
Involution melancholia . . . . .				3	9	12
Dementia præcox . . . . .				59	40	99
Paranoid type . . . . .	30	22	52			
Katatonic type . . . . .	17	8	25			
Hebephrenic type . . . . .	4	9	13			
Simple type . . . . .	8	1	9			
Paranoia and paranoid conditions . . . . .				1	23	24
Epileptic psychoses . . . . .				3	—	3
Deterioration . . . . .	—	—	—			
Clouded states . . . . .	2	—	2			
Other conditions:						
Post-epileptic mental enfeeblement . . . . .	1	—	1			
Psychoneuroses and neuroses . . . . .				1	2	3
Hysterical type . . . . .	—	1	1			
Psychasthenic type . . . . .	1	1	2			
Neurasthenic type . . . . .	—	—	—			
Anxiety neuroses . . . . .	—	—	—			
Psychoses with psychopathic personality . . . . .				5	3	8
Psychoses with mental deficiency . . . . .				9	6	15
Undiagnosed psychoses . . . . .				7	1	8
Without psychosis . . . . .				9	6	15
Epilepsy without psychosis . . . . .	—	—	—			
Alcoholism without psychosis . . . . .	1	—	1			
Drug addiction without psychosis . . . . .	—	—	—			
Psychopathic personality without psychosis . . . . .	3	1	4			
Mental deficiency without psychosis . . . . .	—	3	3			
Others:						
Neurasthenia . . . . .	1	—	1			
Question of psychosis . . . . .	4	1	5			
Family dissension . . . . .	—	1	1			
Total . . . . .				276	244	520

The psychoses represented by the cases discharged from the hospital during the year were as follows: traumatic psychoses, 2, or 1.27 per cent; senile psychoses, 9, or 5.69 per cent; psychoses with cerebral arteriosclerosis, 3, or 1.90 per cent; general paralysis, 7, or 4.43 per cent; psychoses with cerebral syphilis, 2, or 1.27 per cent; alcoholic psychoses, 17, or 10.76 per cent; psychoses with other somatic diseases, 6, or 3.80 per cent; manic-depressive psychoses, 54, or 34.17 per cent; dementia præcox, 33, or 20.90 per cent; paranoia or paranoid conditions, 8, or 5.08 per cent; psychoneuroses and neuroses, 3, or 1.90 per cent; psychoses with psychopathic personality, 4, or

2.54 per cent; psychoses with mental deficiency, 7, or 4.43 per cent; and without psychosis, 3, or 1.90 per cent.

The total number of cases discharged during the year was 158. Of this number, 40, or 25.32 per cent, were discharged as recovered; 83, or 52.53 per cent, as improved; 32, or 20.25 per cent, as unimproved; and 3, or 1.90 per cent, as without psychosis. Of the 40 recovered cases, 32, or 80 per cent, were cases of manic-depressive psychoses; 4, or 10 per cent, alcoholic psychoses; and 3, or 8 per cent, psychoses with other somatic diseases. Of the 83 cases discharged as improved, 23, or 27.71 per cent, were cases of dementia præcox; 21, or 25.3 per cent, manic-depressive psychoses; 13, or 15.66 per cent, alcoholic psychoses; 6, or 7.23 per cent, psychoses with mental deficiency; 5, or 6.02 per cent, paranoia or paranoid conditions; 4, or 4.82 per cent, psychoses with psychopathic personality; and 2, or 2.41 per cent, each of senile psychoses, general paralysis, psychoses with cerebral syphilis, and psychoses with other somatic diseases. Of the 32 cases discharged as unimproved, 10, or 31.25 per cent, were dementia præcox; 7, or 21.88 per cent, senile psychoses; 5, or 15.62 per cent, general paralysis; 3, or 9.38 per cent, paranoia or paranoid conditions; 2, or 6.25 per cent, psychoses with cerebral arteriosclerosis; and 2, or 6.25 per cent, psychoneuroses or neuroses.

A study of the hospital residence of the cases discharged during the statistical year is of considerable interest. Seven, or 4.43 per cent, were discharged after a residence of less than one month; 48, or 30.37 per cent, after a residence of from one to six months; 35, or 22.15 per cent, after a residence of six months to one year; 27, or 17.08 per cent, one to two years; 13, or 8.22 per cent, two to three years; 6, or 3.79 per cent, three to four years; six, or 3.79 per cent, four to five years; 11, or 7.02 per cent, five to ten years; 3, or 1.89 per cent, over ten years; and 2, or 1.26 per cent, unascertained.

Of the 272 deaths occurring during the year, 132, or 48.6 per cent, represented cases dying at the age of sixty or over. In 80 cases, or 29.41 per cent, death occurred at the age of seventy or over.

The principal causes of death during the year were as follows: bronchopneumonia, 95, or 34.92 per cent; tuberculosis of



the lungs, 34, or 12.5 per cent; arteriosclerosis, 20, or 7.36 per cent; general paralysis of the insane, 19, or 6.99 per cent; diarrhœa and enteritis, 18, or 6.62 per cent; chronic endocarditis, 16, or 5.86 per cent; chronic myocarditis, 14, or 5.15 per cent; cerebral hemorrhage, 14, or 5.15 per cent; and lobar pneumonia, 10, or 3.67 per cent.

The psychoses represented by deaths occurring in the hospital during the year were as follows: senile psychoses, 71, or 26.10 per cent; psychoses with cerebral arteriosclerosis, 57, or 20.96 per cent; general paralysis, 60, or 22.06 per cent; psychoses with cerebral syphilis, 4, or 1.47 per cent; alcoholic psychoses, 7, or 2.57 per cent; psychoses with other somatic diseases, 3, or 1.10 per cent; manic-depressive psychoses, 10, or 3.68 per cent; involution melancholia, 7, or 2.57 per cent; dementia præcox, 38, or 13.97 per cent; paranoia or paranoid conditions, 4, or 1.47 per cent; and epileptic psychoses, 5, or 1.84 per cent. Of the 71 cases of senile psychoses dying in the hospital during the year, 23, or 32.39 per cent, were due to bronchopneumonia. Of the 57 cases of arteriosclerotic psychoses, death was due in 27, or 47.37 per cent, to bronchopneumonia, and in 10, or 17.54 per cent, death was attributed directly to arteriosclerosis. Of the sixty cases of general paralysis, 29, or 48.33 per cent, were reported as dying from bronchopneumonia, and in 19, or 31.67 per cent, general paralysis of the insane was given as the cause of death. Of the 38 cases of dementia præcox, death was due in 24, or 63.16 per cent, to pulmonary tuberculosis, and in 4, or 10.53 per cent, to bronchopneumonia. Of the 7 cases of involution melancholia, the cause of death was reported as bronchopneumonia in 2, or 28.57 per cent.

Of the 272 patients dying in the hospital during the year the total duration of hospital residence was as follows: one year or less, 144, or 52.94 per cent; one to two years, 41, or 15.07 per cent; two to three years, 22, or 8.09 per cent; three to four years, 17, or 6.25 per cent; four to five years, 14, or 5.14 per cent; five to six years, 3, or 1.10 per cent; six to seven years, 6, or 2.20 per cent; seven to eight years, 4, or 1.47 per cent; eight to nine years, 6, or 2.20 per cent; nine to ten years, 3, or 1.10 per cent; ten to fifteen years, 7, or 2.57 per cent; fifteen

to twenty years, 4, or 1.47 per cent; and over twenty years, 1, or .37 per cent. The average duration of hospital residence of the cases dying in the hospital during the year was two years, two months and twenty-seven days. The psychoses showing the longest hospital residence were as follows: dementia præcox, eighteen and twenty years; senile psychoses, thirteen and eighteen years; and alcoholic psychoses, thirteen years.

The following general statistical information relating to the ward service should be of interest:—

	Males.	Females.	Totals.	Percentage.
Average daily population . . . . .	824.69	1,037.67	1,862.36	100.00
In bed . . . . .	76.54	77.86	154.40	8.29
In restraint . . . . .	4.33	3.17	7.50	.40
In seclusion . . . . .	5.39	10.80	16.30	.87
Eating in dining rooms . . . . .	725.29	817.63	1,543.92	82.90
Eating on wards . . . . .	99.40	220.04	319.44	17.10
Fed by nurses . . . . .	29.57	30.51	60.08	3.22
Idle . . . . .	347.08	600.48	947.56	50.88
Employed . . . . .	477.61	437.19	914.80	49.12
Parole of grounds . . . . .	148.64	61.67	210.31	11.29
Out for exercise . . . . .	606.84	591.53	1,198.37	64.35
Noisy . . . . .	42.98	124.48	167.46	8.99
Violent . . . . .	.56	37.75	38.31	2.06
Destructive . . . . .	3.22	33.47	36.69	1.97
Soiled or wet . . . . .	53.00	115.21	168.21	9.03
Taking medicine . . . . .	14.05	21.25	35.30	1.89
Infirm . . . . .	266.84	311.73	578.57	31.07

The percentages shown in the above table represent the average daily number in each instance for the entire year, thus: the average daily number of patients in bed was 154.40, or 8.29 per cent of the average daily population, and the average daily number out for exercise was 1,198.37, or 64.35 per cent of the average daily population. The table shows an unusually large percentage of our population to consist of bed cases. As has already been explained, this is largely due to the fact that the senile and infirm cases cannot readily be removed to institutions outside of the metropolitan district, and come to the



Boston State Hospital. The hospital has, for this reason, an infirmary class approximating 30 per cent of the total number of cases cared for. The number of patients in restraint and seclusion, as shown by the above table, is exceedingly small, although larger than the percentages shown for the preceding year, owing to the fact that there has been such an unfortunate shortage of nurses and attendants. If the percentage of infirm cases is eliminated (and this, of course, includes the bed patients), the average daily number going out for exercise must be looked upon as quite large. The average daily number of noisy patients is of considerable interest. The number of patients actually violent is not at all consistent with the popular ideas regarding institutions of this type. The number of patients actually employed in useful occupations should not be looked upon as small if the percentage of bed cases is taken into consideration. The number actually taking medicine would be considerably smaller if it were not for the senile and infirm population.

#### GENERAL HEALTH OF THE HOSPITAL.

The general health of the hospital has been very satisfactory during the past year. There has been no continuation of the influenza epidemic which was such a serious problem at various times during the two years preceding. In the summer months of 1921 there was a mild epidemic of enteritis in the various buildings of both the East and West groups. This appears to have been part of a general epidemic of the same nature which was prevalent throughout the city of Boston and the surrounding territory. The disease, as a rule, assumed a mild form, usually with a slight rise of temperature, occasionally with some abdominal pain, in some instances with the presence of blood and mucus in the intestinal contents, and almost invariably followed by a noticeable prostration lasting for about a week. As a general rule these patients were in bed for two or three days only. Death followed, however, in some of the senile and arteriosclerotic cases. This infection was apparently related in no way to the typhoid or paratyphoid diseases and was not a manifestation of either amebic or bacillary dysentery. Exhaustive laboratory studies failed to disclose the nature of

the epidemic, which many practitioners in the city have thought to be due to influenza. It disappeared entirely during the months of October and November.

There was the usual number of minor accidents and injuries in the wards of the hospital throughout the year. All of these were thoroughly investigated and reported in the usual manner to the Board of Trustees and the Department of Mental Diseases.

An attempt has been made during the past year to keep as comprehensive records as possible of all the general diseases occurring in the wards of the hospital.

The opening of a new operating room in the F building of the West Group furnishes us with adequate facilities for any operative procedures which may be necessary for the male patients of that group. We have for some years had an excellent operating outfit in the B building of the West Group, which is now used entirely for female patients. We are still badly in need of wards for the isolation of tuberculous cases and for the special care of contagious diseases.

The number of deaths occurring during the year is shown on page 79 and the autopsy rate in the pathological laboratory report for the year.

#### EMPLOYEES.

The problem of maintaining an adequate force of employees in the hospital has not been nearly so serious as it was during the preceding year. On Sept. 30, 1920, there were 321 persons in the employ of the hospital. During the year 808 were appointed, 669 resigned and 44 were discharged. Eleven hundred and twenty-nine persons occupied 419 positions, — a rotation of 2.69. The average daily number of employees during the year was 367.24, with 9.29 per cent of vacancies. The average daily number in the ward service was 208.62, with 10.24 per cent of vacancies. The ratio of ward employees was 1 to 9.08 patients, and of all employees, 1 to 5.10. Although this represents a considerable improvement over the past year, the shortage, especially in the ward service, has been such as to interfere somewhat with the efficient and proper care of patients. This has affected the medical service in various ways. Less patients have been employed and there has been more restraint and

seclusion. The lack of ward supervision, moreover, has resulted in a destruction of clothing and other ward supplies that is of considerable importance from a financial point of view. The limited number of nurses and attendants has, of course, materially interfered with our ability to satisfactorily handle the large number of visitors calling at the hospital to see their relatives and friends. The total number of visits made to the patients during the last year was 64,210. We often have 500 or 600 visitors during one day, the highest number on any one day during the year being 920. The decrease in the number of nurses is, of course, a material factor in increasing accidents, injuries and escapes. At the present time there is no difficulty in obtaining the services of male employees. It is still difficult, however, to maintain an adequate force of female nurses and attendants. This is due, doubtless, in part to the fact that the hours of duty are long and association with mental cases is not attractive to those who are not familiar with this line of work. This is a difficulty, however, which has affected the general hospitals as much as it has the institutions for mental diseases. Under the circumstances, if an increased compensation is not possible for ward employees, certainly no reduction should be contemplated. One of the factors which has interfered with our maintenance of an adequate force of ward employees heretofore has been the lack of comfortable living quarters. The occupancy of the new nurses' home in the East Group has remedied this situation in a way which has already been productive of definite results. At the present time we are unable to properly house male ward attendants. The employees' cottage occupied by men has a capacity of only 42. Our quota of male attendants is 110. It has been necessary for them to be quartered in attics and in many other places which are far from being desirable. We are badly in need of a new building for male ward attendants. We have no satisfactory place for attendants and other employees engaged in outside work. The old farmhouse in the West Group, which furnishes quarters for only 19 persons, is in such a condition that it should be torn down and replaced as soon as possible. There has always been difficulty in inducing our employees to live in it. The fact that our male attendants have been scattered around in so many

different places has of course made it difficult to keep them under proper supervision.

The shortage of staff quarters is also a serious matter which should be remedied as soon as the cost of construction will permit. Various officers and employees assigned to the East Group have been compelled to live in buildings in the West Group, nearly a mile away. There are no quarters in the East Group for a pathologist, who should be located in some place from which he can conveniently reach the laboratory.

#### THE MEDICAL SERVICE.

There has been a considerable number of changes in the medical service during the year. Dr. Charles J. Bolton, who has been an assistant physician at the hospital since Jan. 15, 1920, resigned on Jan. 14, 1921. Dr. William T. Merrill, an assistant physician, who has been connected with the institution since March 17, 1919, resigned on March 9, 1921, to enter the United States Public Health Service. Dr. Leo T. Kewer, who has been in the service since Feb. 1, 1920, resigned on March 25, 1921, for the same purpose. Dr. Shichi Uyematsu, who has been connected with the Danvers State Hospital for some time, was appointed pathologist on April 1, 1921, to succeed Dr. Oscar J. Raeder, who resigned in March, 1920, for the purpose of going abroad. Dr. Uyematsu has had an unusual experience as a pathologist and is associated with the Harvard Medical School in the capacity of an instructor. Dr. Herbert E. Herrin was appointed assistant physician on July 23, 1921. He was connected with the Concord State Hospital for nine years and has had a long psychiatric experience. I regret to report the death of Dr. Florence H. Abbot, which occurred on Aug. 1, 1921. Dr. Abbot was graduated from Smith College in 1891 and received her medical degree from the Woman's Medical College in New York City in 1897. She has spent twenty years or more in hospitals for mental diseases and was appointed to the staff of the Boston State Hospital on July 1, 1917. Dr. Abbot was an unusually well-qualified physician, thoroughly interested in her work and devoted to the welfare of the patients in her charge. Her death constitutes a material loss not only to this institution but to the State hospital service. Dr. Marie



C. S. Lindsay, who has been connected with the hospital since Dec. 1, 1920, resigned on October 1 on account of her health. Dr. Frederick H. Gebhardt was appointed assistant physician on Oct. 27, 1921. He was graduated from the medical department of the University of Vermont and has spent several years in the United States Navy. Dr. Lewellyn H. Rockwell of Boston was appointed consulting surgeon on April 18, 1921.

The work of the out-patient department of the hospital includes the supervision of patients in family care, those at home on visit, the after care of cases discharged from the custody of the hospital, and medical advice given to numerous persons who visit the hospital for the purpose of consulting members of the staff on matters pertaining to their own welfare or that of their family or relatives. The patients who have been allowed to go home on visit, or who have left the hospital temporarily for family care, are visited at frequent intervals by the social service workers of the hospital. Patients who are at home on visit are also required to present themselves at the hospital at regular intervals for observation. Considerable supervision is also given to former patients who have been discharged but who are kept under observation by the social workers and the physicians. Some cases appearing for consultation are accepted as voluntary patients. Others are referred to their family physicians or to the Boston Psychopathic Hospital. The following is a report of the movement of population of patients under the supervision of the out-patient department:—

	Males.	Females.	Totals.
In family care Sept. 30, 1920 . . . . .	—	8	8
On escape Sept. 30, 1920 . . . . .	6	2	8
On visit Sept. 30, 1920 . . . . .	81	156	237
Dismissed to family care during the year . . . . .	—	3	3
Dismissed on visit during the year . . . . .	1,313	827	2,140
Escaped during the year . . . . .	20	4	24
Admitted from family care . . . . .	—	3	3
Admitted from escape . . . . .	19	4	23
Admitted from visit . . . . .	1,239	732	1,971
Admitted from family care and discharged . . . . .	—	—	—
Admitted from escape and discharged . . . . .	5	2	7
Admitted from visit and discharged . . . . .	52	86	138
In family care Sept. 30, 1921 . . . . .	—	8	8
On escape Sept. 30, 1921 . . . . .	2	—	2
On visit Sept. 30, 1921 . . . . .	103	165	268

The following is a summary of the social service work done during the year under the direction of Miss Marie L. Donohoe:—

	Males.	Females.	Totals.
Total number of cases considered during the year:	453	792	1,245
(a) New cases . . . . .	142	157	299
(b) Renewed cases . . . . .	63	113	176
(c) Continued cases . . . . .	204	497	701
(d) Discharged cases and school clinic cases . . . . .	44	25	69
Sources of new cases:			
(a) Referred by physicians . . . . .	87	104	191
(b) Referred by other agencies . . . . .	40	30	70
(c) Referred by friends or relatives . . . . .	9	14	23
(d) Referred by patient's own initiative . . . . .	6	9	15
(e) Selected by social worker . . . . .	44	25	69
Purposes for which new cases were referred:			
(a) Medical history . . . . .	52	55	107
(b) Medical-social history . . . . .	28	20	48
(c) Investigation of home conditions . . . . .	25	60	85
(d) Social investigations . . . . .	53	63	116
(e) Special investigations . . . . .	60	70	130
(f) Supervision while at home (general) . . . . .	62	211	273
(g) Supervision while at home (special) . . . . .	55	154	209
(h) Family assistance . . . . .	57	66	123
(i) Follow-up work (medical) . . . . .	20	34	54
(j) Family care department . . . . .	1	40	41
(k) Miscellaneous (school histories) . . . . .	40	19	59
Medical diagnoses of new cases:			
1. Traumatic psychoses . . . . .	2	—	2
2. Senile psychoses . . . . .	11	14	25
3. Psychoses with cerebral arteriosclerosis . . . . .	4	8	12
4. General paralysis . . . . .	14	5	19
5. Psychoses with cerebral syphilis . . . . .	4	1	5
6. Psychoses with Huntington's chorea . . . . .	—	1	1
7. Psychoses with brain tumor . . . . .	—	—	—
8. Psychoses with other brain or nervous diseases . . . . .	—	2	2
9. Alcoholic psychoses . . . . .	14	9	23
10. Psychoses due to drugs and other exogenous toxins . . . . .	1	1	2
11. Psychoses with pellagra . . . . .	—	—	—
12. Psychoses with other somatic diseases . . . . .	1	1	2
13. Manic-depressive psychoses . . . . .	23	29	52
14. Involution melancholia . . . . .	1	5	6
15. Dementia præcox . . . . .	35	40	75
16. Paranoia or paranoid condition . . . . .	7	9	16
17. Epileptic psychoses . . . . .	2	—	2
18. Psychoneuroses and neuroses . . . . .	—	2	2
19. Psychoses with psychopathic personality . . . . .	2	2	4
20. Psychoses with mental deficiency . . . . .	2	8	10
21. Undiagnosed . . . . .	11	8	19
22. Without psychosis . . . . .	6	6	12
Pending . . . . .	6	12	18
School clinic cases:			
Mental deficiency without psychosis . . . . .	40	19	59
Social problems in all cases:			
(a) Disease:			
Mental . . . . .	134	223	357
Physical . . . . .	12	45	57
(b) Poverty . . . . .	20	50	70
(c) Environmental problems . . . . .	12	55	67
(d) Sex problems . . . . .	—	8	8
(e) Educational problems . . . . .	17	40	57
Illiteracy . . . . .	—	2	2
(f) Employment problems . . . . .	51	82	133
(g) Family problems . . . . .	70	150	220
(h) Legal problems . . . . .	62	19	81
(i) Moral problems:			
Drug habitués with psychoses . . . . .	—	2	2
Alcoholic cases with psychoses . . . . .	2	6	8
Wayward tendencies . . . . .	2	10	12
Vacillating interests . . . . .	—	10	10
(j) Criminality . . . . .	—	1	1
(k) Unclassed . . . . .	3	15	18
(l) No social problem . . . . .	29	55	84
(m) School problems . . . . .	40	19	59

	Males.	Females.	Totals.
Nature of service rendered in all cases:			
Arrangements made for hospital or medical care (number of cases)	22	29	51
Arrangements made for occupational therapy	—	—	—
Arrangements made for nursing service	1	10	11
Arrangements made for readjustment:			
(a) Home	27	54	81
(b) Work	28	42	70
(c) Recreation	6	14	20
(d) Church	—	1	1
Arrangements made for community supervision (number of cases)	—	—	—
Referred to relief agencies	21	31	52
Referred to special agencies	47	28	75
Referred to venereal disease clinics	1	3	4
Referred for follow-up work (Psychopathic Hospital)	12	6	18
Referred to employment agencies	23	25	48
Educational work:			
Hygiene	30	59	89
Industry	19	7	26
School	1	1	2
Home making	2	13	15
Legal aid secured (number of cases)	31	7	38
Advice to patients	31	100	131
Advice to relatives	58	88	146
Family work:			
Children	18	37	55
Rehabilitation	23	57	80
No social service rendered (number of cases)	40	56	96
Miscellaneous:			
Looking after property, locating relatives, etc.	64	112	176
Total number of visits	589	988	1,577
To patients on ward	102	142	244
To patients in community	131	331	462
To relatives of patients	224	342	566
To other agencies	132	173	305
School clinics:			
Histories taken	40	19	59
Boarding patients:			
Visits to boarding patients	—	54	54
Patients placed during the year	—	2	2
Patients replaced during the year	—	1	1
Number of boarding homes investigated	—	12	12
Disposition of social cases:			
Cases discharged during the year:			
Hospital cases	40	76	116
School clinic and other outside cases	44	25	69
Cases to be continued	188	234	422
Cases closed	141	412	553
Cases in care of other hospitals	3	10	13
Cases in care of other agencies	31	15	46
No action taken	10	20	30

The personnel of the social service department now consists of three paid workers, — a head social service worker and two assistants. During the greater part of the time we have also had the services of several students. This has enabled the social service department to cover a much wider field. The number of workers should, however, be increased and higher salaries rendered available.

The routine work of the pathological laboratory, under the direction of Dr. Shichi Uyematsu, may be summarized as follows: —

Autopsies . . . . .	70
Blood examinations:	
Cell counts (red and white), . . . . .	119
Cell counts (differential), . . . . .	66
Cerebrospinal fluid examinations:	
Gold sol, albumin, globulin, cells . . . . .	54
Bacteriological examination of milk . . . . .	4
Microscopical examinations, bacteria, miscellaneous . . . . .	43
Sputum examinations . . . . .	50
Throat cultures . . . . .	19
Microscopic sections made:	
Number of cases . . . . .	102
Surgical specimen . . . . .	1
Urinalyses . . . . .	633
Vaccine, autogenous . . . . .	1
Fecal examinations . . . . .	2
Wassermann reactions:	
Blood serum . . . . .	332
Cerebrospinal fluid . . . . .	58
Neurosyphilis therapy:	
Arsphenamine, intravenous . . . . .	127
Diarsenol, intravenous . . . . .	5
Mercury, intramuscular . . . . .	5
Number treated . . . . .	20

The number of deaths in the hospital during the year was 277, of which 70 came to autopsy, making the autopsy percentage for the year 25.27.

The following table shows the psychoses represented in cases coming to autopsy: —

Senile psychoses . . . . .	18
Psychoses with cerebral arteriosclerosis . . . . .	10
General paralysis . . . . .	17
Psychosis with cerebral syphilis . . . . .	3
Alcoholic psychoses . . . . .	3
Psychosis with brain tumor . . . . .	1
Psychosis due to drugs (opium) . . . . .	1
Psychosis with somatic disease . . . . .	1
Manic-depressive psychoses . . . . .	3
Dementia præcox . . . . .	8



Paranoid condition . . . . .	1
Epileptic psychoses . . . . .	3
Psychosis with mental deficiency . . . . .	1
<hr/>	
Total . . . . .	70

In the following table the causes of death of these cases are shown: —

Bronchopneumonia . . . . .	17
General paralysis . . . . .	10
Pulmonary tuberculosis . . . . .	7
Arteriosclerosis . . . . .	6
Lobar pneumonia . . . . .	4
Chronic interstitial myocarditis . . . . .	3
Cerebral hemorrhage . . . . .	3
Cardiorenal-vascular disease . . . . .	3
Status epilepticus . . . . .	2
Acute vegetative endocarditis . . . . .	2
Acute enterocolitis . . . . .	2
Exhaustion . . . . .	2
Otitis media . . . . .	1
Cerebral tumor . . . . .	1
Mitral stenosis . . . . .	1
Acute colitis . . . . .	1
Purulent trachio-bronchitis . . . . .	1
Asphyxiation . . . . .	1
Cardiac decompensation . . . . .	1
Intestinal strangulation . . . . .	1
Chronic endocarditis . . . . .	1
<hr/>	
Total . . . . .	70

The surgical work of the hospital has been largely in the charge of Dr. Irving J. Walker of Boston, the attending surgeon, who visits the hospital regularly and has performed several operations. The following is a summary of the more important surgical work of the year, including cases sent to the City Hospital for operation at that place: —

Amputation of hand . . . . .	1
Appendectomy . . . . .	2
Colectomy . . . . .	1
Curetment of right ulnar . . . . .	1
Epithelioma, lower lip . . . . .	1

Herniotomy . . . . .	1
Hysterectomy . . . . .	1
Intestinal obstruction . . . . .	1
Prostatectomy . . . . .	1
Removal of carbuncle . . . . .	1

The dental work of the hospital has been carried on actively during the last year by the resident dentist, Dr. Lawrence H. Stone. The following is a summary of the work of this department:—

Abscesses treated . . . . .	5
Antrum treatments . . . . .	5
Cleanings . . . . .	2,526
Examinations . . . . .	1,428
Extractions:	
Roots . . . . .	1,055
Teeth . . . . .	676
Fillings . . . . .	926
Gums treated . . . . .	209
Miscellaneous . . . . .	163
Nerve canal treatments . . . . .	26
Plates . . . . .	5
Prophylaxis . . . . .	6
Pyorrhea treatments . . . . .	433
Root canal treatments . . . . .	9
Scaling . . . . .	53
Teeth treated . . . . .	30
Employees treated . . . . .	9
Patients treated . . . . .	2,561

The hydrotherapeutic work of the hospital has been carried on as usual in the East and West groups by the hydrotherapist, Dr. Rebekah B. Wright. Systematic instruction has been given to the members of the nurses' training school in this work, as well as to several representatives of other institutions.

The work of the training school for nurses has been carried on very successfully by the superintendent of nurses, Miss Mary Alice McMahon, R.N., during the year just ended. The affiliation of our school with that of the Boston City Hospital has been a very advantageous arrangement to us, each nurse spending twelve months at that institution acquiring a familiarity with general hospital work, which is a valuable supple-

ment to the instruction carried on here. The graduating exercises of the training school for nurses were held on Thursday evening, June 16, at the chapel in the East Group. The address of the evening was delivered by Dr. C. Macfie Campbell, professor of psychiatry at the Harvard Medical School and director of the Boston Psychopathic Hospital, and the diplomas were presented to the graduating class by Mrs. Sydney Dreyfus, representing the Board of Trustees. The following nurses completed the prescribed course of instruction and received their diplomas on that occasion: Josephine Claire Boutilier, Leora Marie Branigan, Elizabeth Margaret Bremner, Marguiereta Francais Campbell, Catherine Marie Darcey, Ann Elizabeth Douglas, Helen Cicelia Gardella, Katherine Agnes Mulligan, Jessie Gillis MacArthur, Mary MacIntyre, Ruby Mae Nickerson, Jennie Arey O'Brien, Mary Georgiana Petit, Pauline Richman, Vica Kathleen Savoy, Ollie Filena Smith, Katherine Alice Tanguay. The junior class for 1921-22 consists of 19, the intermediate class of 9, and the senior class of 12. Eleven are now receiving their instruction for the intermediate year at the Boston City Hospital. Fifteen graduates of our training school are now employed in the wards of the institution.

Staff meetings have been held as usual during the year, alternating between the East and West groups. Efforts have been made to present all new admissions at staff meetings, as well as all cases about to leave the hospital on visit or cases to be discharged.

#### OCCUPATIONS AND INDUSTRIES.

Occupational work has been materially extended in the ward service during the year and we now have three occupational therapists on duty in the West Group and one in the East Group. This work at the present time is under the very efficient direction of Miss Frances E. Wood, who has for a number of years been connected with the Devereux Mansion at Marblehead. It is hoped that several more workers can be added during the coming year as the field cannot be covered properly by the number now employed. It has been found difficult to obtain occupational therapists at the rate of pay authorized as better inducements are offered in other States. A systematic attempt has been made to interest in occupations

of some kind as many of the patients in the wards as can be employed under existing circumstances and who are unable for any reason to go to the industrial room. Occupational work has been carried on during the year in buildings A, B, C and D in the East Group and buildings A, B, C and D in the West Group.

Industrial work in the East Group consists of basketry, rug making, weaving, lace making, embroidery, knitting, crocheting, sewing, mending, etc. About 100 patients are occupied daily in the industrial room in the East Group. The estimated value of the articles made during the year was \$3,613.65. The industrial work for men is carried on entirely in the West Group in the basement of Building B. This work includes shoe repairing, the manufacture of toweling, shirting, overalls, men's stockings, repairs to rubber materials, mattress making, mattress renovating, the manufacture of various kinds of brushes, brooms, coat hangers, hats and various other articles. The value of articles produced during the year is estimated at \$12,204.56. The articles produced in the occupational and industrial departments of the hospital for the year represented a total valuation of \$15,848.21.

#### AGRICULTURAL ACTIVITIES OF THE YEAR.

The agricultural work of the institution has been carried on very efficiently during the past year under the direction of Mr. Lawrence Olsen. Owing to the number of employees available, the unfavorable weather, etc., the farm production for the year has not been as satisfactory as we had hoped it would be. There was a total of 145 acres under cultivation. This consisted of 25 acres devoted to field crops and 26 to gardening, in addition to which there were 89 acres of meadowland and 5 of orchards and small fruits. The estimated value of farm products during the year was \$16,264.61.

I wish to call attention again to the necessity of purchasing a farm for the hospital. The hospital site consists of only 232 acres. The forty buildings belonging to the institution take up a large amount of this space and leave but comparatively little land available for farming and gardening. It should be remembered that a considerable amount of land is necessary for

the recreation of patients. The present development of the hospital does not leave much room available for farming, nor is it possible to purchase any more land in this vicinity at any reasonable cost. The report of the agricultural expert of the Department of Mental Diseases, as has been noted previously, shows that an institution of the size of the Boston State Hospital should cultivate approximately 700 acres of land. I wish to again call attention to the necessity of purchasing several hundred acres of farm land within ready reach of the hospital. The per capita cost of maintenance would be materially lowered if a farm colony could be established and extensive agricultural work carried on at some place not too distant. The increasing number of buildings has reduced the amount of space available for gardening purposes. If we could establish a farm in the country, it would be possible for us to maintain a dairy, raise poultry and furnish garden products at a considerable saving. Farm and gardening activities cannot be carried on on a hospital site so limited in size and located, as this one is, in a large city.

#### FINANCIAL STATEMENT.

The Legislature made the following appropriations for new construction during the session of 1919, as was shown in the annual report for that year: for building, furnishing and equipping a home to accommodate 90 nurses, a sum not exceeding \$80,000; for building, furnishing and equipping a congregate dining room for the West Group, a sum not exceeding \$100,000; for building, furnishing and equipping a congregate dining room for the East Group, a sum not exceeding \$110,000. These amounts not being adequate, owing to the high cost of construction at the time, they were supplemented by the Legislature during its 1920 session as follows: for the nurses' home in the East Group, \$24,000 (chapter 225 of the Acts of 1920) and \$33,500 (chapter 629 of the Acts of 1920); for the kitchen and dining room building in the West Group, \$60,000 (chapter 225 of the Acts of 1920) and \$50,000 (chapter 629 of the Acts of 1920); for the kitchen and dining room building in the East Group, \$42,000 (chapter 629 of the Acts of 1920). The following supplemental appropriations were made by the Legislature



in chapter 203 of the Acts of 1921: for the nurses' home in the East Group, \$15,200; for the kitchen and dining room building in the West Group, \$14,100. This rendered the following totals available for the above-mentioned purposes: for the nurses' home in the East Group, \$152,700; for the kitchen and dining room building in the West Group, \$224,100; for the kitchen and dining room building in the East Group, \$152,000. In addition to this, the following amounts were appropriated for the Boston State Hospital during the 1921 session of the Legislature; for an addition to the present laundry building and new laundry machinery, \$15,000; for the F building, West Group, \$3,595.80; for repairs to the sewer line, West Group, \$5,000.

The maintenance appropriation for the year was \$808,030. The maintenance expenditures of the hospital for the year were as follows:—

	Amount expended.	Per Capita.	Percentage of Total.
Personal services . . . . .	\$289,297 99	\$153 06	37.629
Travel, transportation and office expenses . . . . .	9,298 95	4 92	1.209
Food . . . . .	169,080 57	89 46	21.994
Religious instruction . . . . .	2,079 98	1 10	.270
Clothing and materials . . . . .	25,493 72	13 49	3.316
Furnishings and household supplies . . . . .	50,343 68	26 65	6.552
Medical and general care . . . . .	19,212 58	10 16	2.498
Heat, light and power . . . . .	139,629 39	73 87	18.160
Farm and stable . . . . .	8,177 16	4 33	1.064
Grounds . . . . .	10,361 50	5 48	1.347
Repairs, ordinary . . . . .	21,851 40	11 56	2.842
Repairs and renewals . . . . .	23,966 52	12 68	3.117
Totals . . . . .	\$768,793 44	\$406 76	100.000

Based on the average daily population of the hospital (1,890.01), the per capita cost of maintenance for the year was \$406.76, or \$7.82 per week. The per capita cost for the year 1920 was \$398.63, or \$7.66 per week. Owing to the fact that the cost of commodities in general has not yet returned to normal, or at least to a pre-war basis, the cost of maintenance is still much higher than formerly. The fact that the hospital has a larger infirmary population and a greater number of bed

patients than other institutions of this type is, of course, a factor of material importance. Our lack of agricultural facilities and the absence of a dairy mean a considerable increase in the cost of maintenance. The type of buildings erected heretofore has been a material factor in the cost of personal services as well as in the outlay necessary for repairs. The old buildings erected many years ago were made up of small units, few dormitories accommodating more than 6 patients, and consisting largely of single rooms. This necessitates a large amount of supervision and a number of ward employees that could be avoided just as well as not in certain buildings where custodial care only is required, and more patients can be housed in larger dormitories. No buildings designed exclusively for purely custodial patients in considerable numbers have ever been erected at this institution. The cost of maintaining the old buildings erected many years since by the city of Boston has, of course, been very high.

#### GENERAL OPERATIONS FOR THE YEAR.

The kitchen and dining room building for the East Group, a description of which may be found in the annual report of last year, was opened on March 18, 1921. The occupation of this building has done away with the necessity of using the East Group chapel for dining-room purposes. For many years the chapel has been used as a dining room and it has been necessary to remove the chairs and tables for religious services and entertainments, — a highly undesirable arrangement.

The new nurses' home in the East Group has been completed and was occupied on Sept. 1, 1921. This has enabled us to remove 31 nurses and attendants from the first floor of the F building in the East Group and 22 who were housed in the attic of the same building. It has also obviated the necessity of assigning ward employees to quarters in the old administration building in the East Group. This has resulted in a material improvement and one which is highly appreciated by the nurses and attendants of the hospital. The new nurses' home is commodious and comfortable and will compare very favorably with buildings erected for this purpose by general hospitals. The home furnishes accommodations for 90 employees.

The kitchen and dining room building in the West Group

has been completed and was opened on Oct. 20, 1921. This has enabled us to do away with the old basement kitchen in the administration building in the West Group and has furnished us with adequate facilities for cooking in a much more satisfactory way for the 1,500 patients in the West Group. The building is one story in height and consists of a kitchen with ample scullery facilities and an automatic refrigerating machine in the basement, together with three dining rooms for patients, one for nurses and attendants and another for outside employees. The patients' dining rooms each have accommodations for 224 persons, thus making it possible for us to properly classify our patients, separating the workers and the parole patients from the noisy and disturbed and giving us better accommodations for quiet and convalescent patients. The kitchen is furnished with the latest and most approved type of equipment. Terrazzo flooring is used throughout and there are ample serving room facilities which have resulted in a considerable improvement in our dining room service.

Work has been commenced on a two-story addition to the laundry building in the East Group. The lower floor will be used as a receiving room and the upper floor as a distributing room. These will both be 28 by 35 feet in size. This new construction will render much more space available in the existing washing and ironing rooms and will also make it possible for us to purchase some much needed laundry machinery.

The occupancy of the new kitchen and dining-room building in the East Group necessitated a large amount of grading in that vicinity, some of which has been completed and much of which will, however, be deferred until another year. A new cement walk leading from the rear of the A building in the East Group to the B building and to the new dining room was finished early in the year. The B building has also been connected with the new kitchen and dining-room building by a corridor.

Extensive repairs to the 6-inch steam line leading from pit 18 in the West Group to the garage were completed during the month of December, 1920.

The first, second and third floors of the B building in the West Group, formerly occupied by female patients, were re-



painted after the occupancy of the new F building. The interior of the G building in the West Group was repainted during the year.

The renovation of the single rooms in the B building in the East Group has been completed, the old wooden wainscoting having been removed and new cement floors installed.

New and modern folding chairs have been purchased for the chapel, which has been repainted throughout and redecorated during the year.

The basement of the chapel building no longer being used for kitchen purposes, a very satisfactory milk room has been established in that place, all of the milk being issued from that central locality, and all the milk cans being sterilized there.

The administration building and the barns in the East Group were repainted during the year.

Extensive roofing repairs were completed during the year, including the administration building and the assistant superintendent's cottage in the West Group, and the administration building, buildings A, B, C, D and E and the barn in the East Group.

Extensive repairs to the steam lines in the West Group were also completed during the summer. The line running from the bridge over the brook to the rear of the G building was re-insulated throughout.

The annual field day exercises of the hospital were held on the baseball grounds in the West Group on July 4 and were very much enjoyed by the patients, many of whom participated in the various field events.

The elimination of the old pond in the East Group, which proved to be a very extensive undertaking, was completed during the month of July, 1921. The water was removed by means of an 8-inch Akron pipe drain extending from the pond to the rear of the garage in the East Group. This will be continued to the Canterbury Branch of Stony Brook later. The pond was filled in with material furnished by the contractor removing the ashes from the Dorchester district of the city of Boston. This work was supplemented by a large amount of soil brought in by contractors engaged in excavating various sites on Blue Hill Avenue for building purposes.

A large amount of grading was necessary around the new nurses' home in the East Group. This has been partially completed, but will have to be finished next year. The surface drain around the nurses' home was connected with the new drain installed for the purpose of emptying the pond.

The land between the new kitchen and dining-room building in the East Group and Stony Brook has also been covered very extensively with ashes during the summer months. It is hoped that the grade of this tract of land will be raised during the coming year to the level of Morton Street.

The mortuary building in the East Group was repaired extensively during the month of August, the brickwork having been in bad condition for several years. A new roof for this building will be necessary during the coming year.

Twenty-two hundred feet of 6-foot angle iron fencing was purchased during the latter part of the year, but arrived too late for installation and will be erected next spring. This will provide us with fencing on Harvard Street from Morton Street to the entrance in front of the C building in the East Group and will enable us to fence Austin Street from Harvard Street to Canterbury Street.

Repairs to the sewer line in the West Group, an appropriation for which was rendered available by the Legislature at its last session, were completed during the month of August, 1921.

The foundation of the B building in the East Group was extensively reinforced during September, this change being made necessary by the grading in the neighborhood of the new kitchen and dining-room building.

The hospital was visited by the public institutions committee of the Legislature on January 14. They were accompanied by Dr. Kline, Commissioner of the Department of Mental Diseases, and visited both the East and the West groups throughout.

The hospital was also visited by the Lieutenant-Governor and the Executive Council, the commander and headquarters staff of the American Legion, the Commission on Mental Diseases and the Commission on State Administration and Expenditures.

Under the provisions of chapter 224 of the Special Acts of 1919 the street laying-out department of the city of Boston has taken during the year 7,761 square feet of the hospital property

for the purpose of widening Harvard Street opposite the new schoolhouse, and extending from Morton Street to Fabyan Street.

Repairs were made to the sewer line connecting the F, G and H buildings and the farmhouse in the West Group with the metropolitan sewer, a 12-inch iron pipe having been used to replace the old Akron pipe line.

Buildings A and C in the East Group were repainted during the year, as well as practically all of the window guards in the institution.

Attention should be called again to the desirability of acquiring the 150,000 square feet of land belonging to the Forest Hills Cemetery and located south of Canterbury Street, adjoining the West Group. This is the only part of the site bounded by Canterbury Street on the north, Harvard Street on the south, Morton Street on the east and Walk Hill Street on the west that has not as yet been acquired by the State. The buildings on this land could be used to very good advantage and would facilitate the removal of the barns and other objectionable structures adjoining the administration building in the East Group. The desirability of acquiring this land was referred to by the joint special legislative committee on public institutions in their report of March, 1920, as shown in Senate Document No. 450.

Further reference should be made at this time to the Canterbury Branch of Stony Brook. Although the channel of this brook was cleaned out by the city two years ago, it is already overgrown with weeds and is as badly obstructed as ever. The brook not infrequently overflows its banks, and from 30 to 40 acres of hospital land have been covered with water at times. It occasionally gets into the steam conduits, and has flooded the pump room of the power house to a depth of a foot and a half. Such an overflow may at any time render it impossible to provide heat for the West Group, which now has a capacity of over 1,500 beds. This condition of affairs should be remedied as soon as possible. The conduit built by the city extends to the point where the brook enters the hospital property on Harvard Street. The brook runs through the grounds for a distance of approximately 4,500 feet. The conduit should be

extended for at least 2,200 feet to the point where the hospital road crosses the brook in the West Group. This would reclaim 30 or 40 acres of valuable land, worth approximately \$260,000. The work of enclosing this brook as originally undertaken by the city is incomplete, and the present condition was intended only as a temporary arrangement. The joint special committee of the Legislature reporting on public institutions in 1920 referred to this as a serious menace requiring immediate attention.

#### NEEDS OF THE HOSPITAL FOR THE COMING YEAR.

As the construction deemed necessary for the coming year is to be determined by the Department of Mental Diseases, the following items were submitted some time since for consideration:—

1. Administration building and staff quarters . . . . .	\$170,000
2. Superintendent's house . . . . .	20,000
3. New roof for buildings C and D, West Group, East Group chapel and adjoining corridors . . . . .	15,000
4. Bakery . . . . .	40,000
5. Verandas, C building, East Group . . . . .	8,000
6. Verandas, G building, East Group . . . . .	5,000
7. Cottage for twenty farm employees . . . . .	30,000
8. Addition to refrigerating room and additional refrigerating machinery . . . . .	25,000
9. Concrete platform for coal storage . . . . .	5,000
10. New laundry machinery . . . . .	7,500
11. Addition to garage . . . . .	3,500
12. New watch clock system, West Group . . . . .	3,000
13. Fencing . . . . .	5,000
14. New greenhouse . . . . .	5,500
15. Paint shop . . . . .	5,400
16. Automatic CO <sub>2</sub> and draft recorders . . . . .	2,400
17. Stokers for eight boilers . . . . .	32,500
18. Extension to sewer, water and steam lines . . . . .	12,000
19. Concrete pavement in front of power house . . . . .	10,000
Total . . . . .	<hr/> \$404,800

1. *Administration Building and Staff Quarters.*—The offices of the institution are now located in an old building purchased by the city of Boston about fifty years ago for use as an alms-



house. This is a two and one-half story building constructed of wood throughout, contains numerous exposed electric wires, and has several wooden stairways running from the basement to the attic. This building is located within fifty yards of a large wooden barn containing hay, and is surrounded by other non-fireproof structures, the nearest being the laundry, the chapel and a non-fireproof building occupied by patients. Its presence in this location is a serious menace, and in case of fire would threaten the loss of the entire East Group. The building now houses over 50 employees, 30 of whom are living in the attic. The offices of the hospital should be in a central location. It is very inconvenient for relatives and friends of the patients to come from Walk Hill Street to the present administration building. The hospital has now reached a stage of development where an administration building is urgently needed. We do not propose to demolish the old wooden building now used for office purposes, but suggest removing it to other locations where it can be remodeled and used for housing employees, etc. In erecting an administration building we propose to provide additional accommodations for the staff on the second floor. Attention should be called to the fact that no new construction has ever been provided at the institution as yet for the exclusive use of the medical officers of the hospital.

2. *Superintendent's House.* — No superintendent's residence has ever been built at the hospital. The only house used for that purpose was the remodeled Pierce farmhouse, acquired by the city in 1893. This building is now being used for other purposes. The arrangement of the building is not such as to render it suitable for a superintendent's residence. It has been necessary for the Board of Trustees to rent a house for the superintendent. The lease on this house will expire by the time a building can be erected on the hospital premises. The annual outlay involved in this rental, including heat, light, etc., represents the interest on a considerable investment. The cost may be increased at the expiration of the present lease in November, 1922.

3. *New Roof for Buildings C and D, West Group, East Group Chapel and Adjoining Corridors.* — Buildings C and D in the West Group were completed and occupied in 1895. The chapel

building in the East Group was finished in 1894. The roofs of these structures, which are as old as the buildings themselves, can no longer be kept in suitable repair and should be replaced at as early a date as possible.

4. *Bakery.* — The present bakery occupies a part of the upper floor of the storehouse in the East Group. This building was completed in 1913. There are only two ovens in use and no room for expansion. The population has increased enormously since that time. It is exceedingly difficult to supply the needs of the institution at the present time with the facilities of the bakery, which the institution has long since outgrown. The new building should be erected at the earliest possible moment.

5. *Verandas, C Building, East Group.* — The C building in the East Group, which now accommodates 170 patients, has no verandas. We feel that these are very necessary, as this building is the largest one in the East Group for the custodial type of patients and there are many days when it is impossible for them to go out of doors for exercise. There is at the present time no building in the East Group which has any enclosed verandas.

6. *Verandas, G Building, East Group.* — Owing to some oversight, no provision was made for verandas when this building was erected. It is the reception building for female patients for the entire institution and there is no place in the hospital where verandas are more badly needed than in buildings of the reception type.

7. *Cottage for Twenty Farm Employees.* — Attention has already been called to the necessity of further provision for the housing of farm employees. The building now used for this purpose in the West Group is one which has been in constant use since 1904. It has been remodeled throughout on several occasions and cannot be repaired further to good advantage. The building inspectors of the District Police have refused to certify it for occupancy, and it should be replaced at the earliest possible moment.

8. *Addition to Refrigerating Room and Additional Refrigerating Machinery.* — The present refrigerating machinery has been in use for many years. The capacity of the hospital has been



doubled since this plant was installed. An additional load has been carried since the new kitchen building was opened. It has been very difficult to make ice enough for the hospital for some time owing to the limited capacity of this plant. This is an urgent necessity.

9. *Concrete Platform for Coal Storage.* — The recommendations of the consulting engineers representing the Department of Mental Diseases show that we should be able to take care of at least 6,000 tons of coal at one time. At present this is done by spreading the coal over a large space near the power house. This land is low and is frequently overflowed by water from the Canterbury Branch of Stony Brook. A considerable loss would be prevented by storing this coal on a cement platform (20,000 square feet).

10. *New Laundry Machinery.* — Some of the laundry machinery which we are now using has reached the limit of its usefulness and should be replaced as soon as possible. We are badly in need of new dryers, mangles and other machinery. Some of the equipment is out of date and has become very expensive to keep in repair.

11. *Addition to Garage.* — No garage has ever been built for the hospital. We are using the old West Group boiler house, remodeled for this purpose, at the present time. It is, however, not large enough, and additional space is badly needed.

12. *New Watch Clock System, West Group.* — We now have four watch clock recorders in the West Group. None of the present recorders has sufficient capacity to take care of the new building which is now being completed. An overhead cable has been used in some places. The wiring in two of the buildings is very old and was too light for the work originally. It should be replaced. The proper thing to do under the circumstances is to install one central recorder of sufficient capacity to take care of the entire West Group, locating all wires underground. This will cost about \$3,000.

13. *Fencing.* — The hospital has on its present site 233 acres of land unprotected by suitable fencing at any place. As a result of this, the grounds are overrun by small boys from the neighborhood. We cannot police the premises, and many of the vegetables which we are attempting to raise in our gardens are

stolen. We have suffered large losses in this way. We are also unable to prevent strangers from approaching our buildings and annoying the patients, as they do very frequently. A school-house has been erected at a point immediately across the street from the building containing our most destructive, noisy and violent women. We cannot keep the school children out of our property. We wish to erect an angle iron fence 6 feet high. We are of course aware of the fact that the entire hospital property cannot all be fenced in at once owing to the expense involved, and would suggest appropriating \$5,000 or \$10,000 each year for this purpose.

14. *New Greenhouse.* — The old greenhouse in the rear of the present administration building in the East Group is in a very dilapidated condition and is liable to fall down. A new one should be built as soon as possible in another location.

15. *Paint Shop.* — The present paint shop is located in the basement of the laundry building, the third floor of which is used as an industrial room. This is a violation of the laws of the State. A separate building should be erected for the paint shop as soon as possible. The estimated cost of such a structure is \$5,400.

16. *Automatic CO<sub>2</sub> and Draft Recorders.* — These were recommended by the Tenney Engineering Company three years ago. Our budget did not, however, cover the cost of installing this apparatus, and we are accordingly asking for \$2,400 for that purpose this year.

17. *Stokers for Eight Boilers.* — At the present time we have in the boiler house two boilers with a Massachusetts rating of 108 horsepower, and six with a rating of 126 horsepower. The radiating surface now heated in the institution is over 150,000 square feet. It is only a question of time before additional boilers will have to be provided. The efficiency of the present plant can be enormously increased by the use of stokers, which would do away with the necessity of several additional firemen.

18. *Extension to Sewer, Water and Steam Lines.* — When a new administration building is erected an extension to the sewer, water and steam lines of the institution will be necessary. Provision should be made for this at as early a moment as possible. When completed, this extension will also provide for several other buildings.

19. *Concrete Pavement in Front of Power House.* — There is a granite block pavement in front of the laundry at the present time. This is not laid in cement and will have to be taken up soon. When relaid, this should be extended to the front of the power house and carried as far as the storehouse. The heavy trucks now delivering coal to the power house render the installation of some kind of a serviceable pavement necessary. The cheapest pavement available will be concrete, at an estimated cost of \$10,000.

Respectfully submitted,

JAMES V. MAY,  
*Superintendent.*

Nov. 30, 1921.

## VALUATION.

Nov. 30, 1921.

## REAL ESTATE.

Land (233 acres)	\$576,680 00
Buildings	2,651,376 81
	<hr/>
	\$3,228,056 81

## PERSONAL PROPERTY.

Travel	\$4,435 00
Food	14,856 61
Clothing and materials	20,789 81
Furnishings and household supplies	167,362 48
Medical and general care	7,695 47
Heat, light and power	7,666 40
Farm	12,096 40
Stable, garage and grounds	6,103 03
Repairs	7,766 44
	<hr/>
	\$248,771 64

## SUMMARY.

Real estate	\$3,228,056 81
Personal property	248,771 64
	<hr/>
	\$3,476,828 45

## TREASURER'S REPORT.

*To the Commissioner of the Department of Mental Diseases.*

I respectfully submit the following report of the finances of this institution for the fiscal year ending Nov. 30, 1921:—

### CASH ACCOUNT.

Balance Dec. 1, 1920 . . . . .	\$12,172 73
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### *Receipts.*

#### *Income.*

#### Board of inmates:

Private . . . . .	\$27,200 73
Reimbursements, insane . . . . .	54,594 24
	\$81,794 97

#### Personal services:

Reimbursement from Board of Retirement . . . . .	168 17
--	--------

#### Sales:

Travel, transportation and office expenses . . . . .	\$103 62
Food . . . . .	633 38
Clothing and materials . . . . .	44 01
Furnishings and household supplies . . . . .	90 22
Medical and general care . . . . .	9 00
Heat, light and power . . . . .	61 49

#### Farm:

Pigs and hogs . . . . .	\$240 30
Hay . . . . .	375 00
Sundries . . . . .	1 08

616 38

Repairs, ordinary . . . . .	1 25
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1,559 35

#### Miscellaneous:

Interest on bank balances . . . . .	648 73
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84,171 22

#### Other receipts:

Deceased patients funds . . . . .	850 66
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### *Receipts from Treasury of Commonwealth.*

#### Maintenance appropriations:

Balance of 1920 . . . . .	\$14,444 33
Advance money (amount on hand November 30) . . . . .	45,000 00
Approved schedules of 1921 . . . . .	701,912 03

761,356 36

Special appropriations . . . . .	343,972 30
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Total . . . . .	\$1,202,523 27
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*Payments.*

## To treasury of Commonwealth:

Institution income . . . . .	\$84,171 22	
Refunds, account maintenance . . . . .	181 94	
To Department of Mental Diseases . . . . .	850 66	
	<hr/>	\$85,203 82

## Maintenance appropriations:

Balance of schedules of previous year . . . . .	\$26,617 06	
Eleven months' schedules, 1921 . . . . .	\$701,912 03	
Less returned . . . . .	181 94	
	<hr/>	701,730 09
November advances . . . . .	41,993 26	
	<hr/>	770,340 41

## Special appropriations:

Approved schedules, eleven months . . . . .		343,972 30
Balance, Nov. 30, 1921:		
In bank . . . . .	\$1,835 37	
In office . . . . .	1,171 37	
	<hr/>	3,006 74

Total . . . . .		\$1,202,523 27
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*MAINTENANCE.*

Balance from previous year, brought forward . . . . .	\$4 29
Appropriation, current year . . . . .	808,030 00
	<hr/>
Total . . . . .	\$808,034 29
Expenses (as analyzed below) . . . . .	768,793 44
	<hr/>
Balance reverting to treasury of Commonwealth . . . . .	\$39,240 85

*Analysis of Expenses.*

## Personal services:

James V. May, superintendent . . . . .	\$5,100 00	
Medical . . . . .	19,887 33	
Administration . . . . .	23,849 91	
Kitchen and dining-room service . . . . .	16,697 73	
Domestic . . . . .	24,006 23	
Ward service (male) . . . . .	63,012 52	
Ward service (female) . . . . .	76,712 66	
Industrial and educational department . . . . .	4,783 73	
Engineering department . . . . .	24,443 08	
Repairs . . . . .	15,074 77	
Farm . . . . .	8,149 76	
Stable, garage and grounds . . . . .	7,580 27	
	<hr/>	\$289,297 99

## Religious instruction:

Catholic . . . . .	\$1,039 98	
Hebrew . . . . .	520 00	
Protestant . . . . .	520 00	
	<hr/>	2,079 98

Amount carried forward . . . . .		\$291,377 97
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*Amount brought forward* . . . . . \$291,377 97

Travel, transportation and office expenses:

Advertising . . . . .	\$164 94
Postage . . . . .	527 40
Printing and binding . . . . .	1,737 22
Printing annual report . . . . .	611 43
Stationery and office supplies . . . . .	2,653 63
Telephone and telegraph . . . . .	1,865 35
Travel . . . . .	1,670 98
Sundries . . . . .	68 00

9,298 95

Food:

Flour . . . . .	\$27,436 20
Cereals, rice, meal, etc. . . . .	3,238 88
Bread, crackers, etc. . . . .	601 76
Peas and beans (canned and dried) . . . . .	4,202 71
Macaroni and spaghetti . . . . .	706 11
Potatoes . . . . .	9,290 69
Meat . . . . .	37,857 09
Fish (fresh, cured and canned) . . . . .	7,119 43
Butter . . . . .	11,369 96
Butterine, etc. . . . .	6,452 22
Peanut butter . . . . .	45
Cheese . . . . .	1,271 87
Coffee . . . . .	1,353 89
Coffee substitutes . . . . .	500 52
Tea . . . . .	804 17
Cocoa . . . . .	82 98
Whole milk . . . . .	1,944 87
Milk (condensed, evaporated, etc.) . . . . .	24,369 66
Eggs (fresh) . . . . .	8,026 78
Sugar (cane) . . . . .	4,089 57
Sugar (maple, etc.) . . . . .	76 73
Fruit (fresh) . . . . .	3,169 65
Fruit (dried and preserved) . . . . .	6,612 89
Lard and substitutes . . . . .	564 16
Molasses and syrups . . . . .	1,084 56
Vegetables (fresh) . . . . .	3,525 70
Vegetables (canned and dried) . . . . .	1,417 89
Seasonings and condiments . . . . .	1,232 09
Yeast, baking powder, etc. . . . .	677 09

169,080 57

Clothing and materials:

Boots, shoes and rubbers . . . . .	\$2,309 88
Clothing (outer) . . . . .	10,827 71
Clothing (under) . . . . .	4,537 18
Dry goods for clothing . . . . .	2,520 32
Hats and caps . . . . .	285 00
Leather and shoe findings . . . . .	663 08
Machinery for manufacturing . . . . .	10 75
Socks and smallwares . . . . .	4,339 80

25,493 72

*Amount carried forward* . . . . . \$495,251 21

<i>Amount brought forward</i>		\$495,251 21
<b>Furnishings and household supplies:</b>		
Beds, bedding, etc.	\$17,293 02	
Carpets, rugs, etc.	1,717 71	
Crockery, glassware, cutlery, etc.	5,357 52	
Dry goods and smallwares	416 25	
Electric lamps	663 09	
Furniture, upholstery, etc.	4,928 23	
Kitchen and household wares	9,336 11	
Laundry supplies and materials	4,141 94	
Lavatory supplies and disinfectants	1,927 26	
Machinery for manufacturing	37 50	
Table linen, paper napkins, towels, etc.	4,525 05	
		50,343 68
<b>Medical and general care:</b>		
Books, periodicals, etc.	\$413 56	
Entertainments, games, etc.	1,885 58	
Funeral expenses	184 80	
Gratuities	214 50	
Ice and refrigeration	1,093 71	
Laboratory supplies and apparatus	741 56	
Medicines (supplies and apparatus)	4,599 85	
Medical attendance (extra)	482 46	
Patients boarded out	391 10	
Return of runaways	24 20	
Tobacco, pipes, matches	2,453 98	
Water	5,527 28	
Rent	1,200 00	
		19,212 58 <sup>1</sup>
<b>Heat, light and power:</b>		
Coal (bituminous)	\$86,628 19	
Freight and cartage	45,509 42	
Coal (screenings)	300 00	
Coal (anthracite)	3,995 91	
Freight and cartage	1,549 08	
Electricity	149 92	
Gas	343 92	
Oil	511 85	
Operating supplies for boilers and engines	641 10	
		139,629 39
<b>Farm:</b>		
Blacksmithing and supplies	\$669 59	
Carriages, wagons and repairs	920 40	
Fertilizers	1,695 42	
Grain, etc.	2,080 46	
Harnesses and repairs	185 69	
Spraying materials	183 08	
Stable and barn supplies	81 67	
Tools, implements, machines, etc.	1,237 60	
Trees, vines, seeds, etc.	621 81	
Veterinary services, supplies, etc.	312 69	
Lime	188 75	
		8,177 16
<i>Amount carried forward</i>		\$712,614 02

<sup>1</sup> Includes refund of \$1,303.04 on coal that came through C. of M. D. and did not go through institution cash.

<i>Amount brought forward</i>		\$712,614 02
Garage, stable and grounds:		
Automobile repairs and supplies	\$7,686 81	
Blacksmithing and supplies	97 55	
Carriages, wagons and repairs	99 95	
Grain	213 30	
Harnesses and repairs	11 85	
Rent	60 00	
Road work and materials	312 15	
Spraying materials	105 50	
Stable supplies	31 73	
Tools, implements, machines, etc.	894 68	
Trees, vines, seeds, etc.	847 98	
		10,361 50
Repairs, ordinary:		
Brick	\$59 10	
Cement, lime, crushed stone, etc.	2,718 39	
Electrical work and supplies	1,552 52	
Hardware, iron, steel, etc.	2,426 60	
Lumber, etc. (including finished products)	2,902 29	
Paint, oil, glass, etc.	5,736 68	
Plumbing and supplies	2,016 17	
Roofing and materials	610 46	
Steam fittings and supplies	2,206 57	
Tools, machines, etc.	131 97	
Boilers, repairs	957 37	
Dynamos, repairs	50 20	
Engines, repairs	483 08	
		21,851 40
Repairs and renewals:		
Seats for chapel	\$1,350 00	
Repairing conduit line	3,977 38	
Roofing	9,607 84	
Sewer	2,112 75	
Steam line covering	1,164 92	
Coat racks	272 00	
Window guards	1,386 00	
Fencing	4,095 63	
		23,966 52
Total expenses for maintenance		\$768,793 44

## RESOURCES AND LIABILITIES.

*Resources.*

Cash on hand	\$3,006 74	
November cash vouchers (paid from advance money), account of maintenance	41,993 26	
		\$45,000 00
Due from treasury of Commonwealth from available appropriation account November, 1921, schedule:		
Maintenance	23,366 39	
Special appropriations	6,121 66	
		\$74,488 05

*Liabilities.*

Outstanding schedules of current year:

Schedule of November bills . . . . .	\$68,366 39
Special appropriations . . . . .	6,121 66

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\$74,488 05

*PER CAPITA.*

During the year the average number of inmates has been 1,890.01.

Total cost for maintenance, \$768,793.44.

Equal to a weekly per capita cost of \$7.8224.

Receipt from sales, \$1,559.35.

Equal to a weekly per capita of \$0.01586.

All other institution receipts, \$82,611.87.

Equal to a weekly per capita of \$0.8405.

Net weekly per capita cost \$6.9661.

Respectfully submitted,

ADELINE J. LEARY,

*Treasurer.*

Examined and found correct as compared with the records in the office of the Auditor of the Commonwealth.

ALONZO B. COOK,

*Auditor.*

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# STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC  
ASSOCIATION

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PREScribed BY MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

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## STATISTICAL TABLES.

TABLE 1. — *General Information.*

1. Date of opening as an institution for the insane: Dec. 11, 1839.	
2. Type of institution: State since Dec. 1, 1908.	
3. Hospital plant:	
Value of hospital property:	
Real estate including buildings . . . . . \$3,228,056 81	
Personal property . . . . . 248,771 64	
<hr/>	
Total . . . . . \$3,476,828 45	
Total acreage of hospital property owned, 233.	
Total acreage under cultivation during previous year, 145.	

	ACTUALLY IN SERVICE AT END OF YEAR.			VACANCIES AT END OF YEAR.		
	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.
4. Officers and employees:						
Superintendents . . . . .	1	—	1	—	—	—
Assistant superintendent . . . . .	1	—	1	—	—	—
Assistant physicians . . . . .	5	2	7	2	2	4
Pathologist . . . . .	1	—	1	—	—	—
Medical internes . . . . .	—	—	—	—	—	—
Clinical assistants . . . . .	—	—	—	—	—	—
<hr/>						
Total physicians . . . . .	8	2	10	2	2	4
<hr/>						
Stewards . . . . .	1	—	1	—	—	—
Resident dentists . . . . .	1	—	1	—	—	—
Graduate nurses . . . . .	—	23	23	3	8	11
Other nurses and attendants . . . . .	107	108	215			
Teachers of occupational therapy . . . . .	4	5	9			
Social workers . . . . .	3	—	3	—	—	—
All other officers and employees . . . . .	69	71	140	4	3	7
<hr/>						
Total officers and employees . . . . .	185	207	392	7	11	18

TABLE 1. — *General Information* — Concluded.

	ACTUALLY IN INSTITUTION.			ABSENT FROM INSTITUTION BUT STILL ON BOOKS.		
	Males.	Fe- males.	Totals.	Males.	Fe- males.	Totals.
5. Census of patient population at end of year:						
White:						
Insane . . . . .	843	1,030	1,873	104	189	293
Epileptics . . . . .	—	—	—	—	—	—
Mental defectives . . . . .	—	—	—	—	—	—
Alcoholics . . . . .	—	—	—	—	—	—
Drug addicts . . . . .	—	—	—	—	—	—
Neurosyphilitics (without psychosis) . . . . .	—	—	—	—	—	—
All other cases . . . . .	—	—	—	—	—	—
Total . . . . .	843	1,030	1,873	104	189	293
Colored:						
Insane . . . . .	17	25	42	3	1	4
Epileptics . . . . .	—	—	—	—	—	—
Mental defectives . . . . .	—	—	—	—	—	—
Alcoholics . . . . .	—	—	—	—	—	—
Drug addicts . . . . .	—	—	—	—	—	—
Neurosyphilitics (without psychosis) . . . . .	—	—	—	—	—	—
All other cases . . . . .	—	—	—	—	—	—
Total . . . . .	17	25	42	3	1	4
Grand total . . . . .	860	1,055	1,915	107	190	297
6. Patients employed in industrial classes or in general hospital work on date of report . . . . .		Males.	Females.	Totals.		
		555	583	1,138		
7. Average daily number of all patients actually in institution during year . . . . .	839.27	1,050.74	1,890.01			
8. Voluntary patients admitted during year . . . . .	13	12	25			
9. Persons given advice or treatment in out-patient clinics during year . . . . .	—	—	—			

TABLE 2. — *Financial Statement.*

See treasurer's report for data requested under this table.

TABLE 3. — *Movement of Population for the Year ending Sept. 30, 1921.*

	INSANE.			TEMPORARY CARE.			TOTAL.	
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.
Patients on books at beginning of institution year . . . . .	854	1,162	2,016	—	—	—	854	1,162
Admissions during year:								
First admissions . . . . .	188	168	356	8	9	17	196	177
Readmissions . . . . .	74	63	137	6	4	10	80	67
Transferred from psychopathic department . . . . .	29	24	53	—	—	—	29	24
Transferred from other institutions for mental diseases . . . . .	24	72	96	—	—	—	24	72
Total received during year . . . . .	315	327	642	14	13	27	329	340
Total under treatment during year . . . . .	1,169	1,489	2,658	14	13	27	1,183	1,502
Discharged from books during year:								
As recovered . . . . .	16	24	40	5	3	8	21	27
As improved . . . . .	32	51	83	2	—	2	34	51
As unimproved . . . . .	17	15	32	2	1	3	19	16
As without psychosis . . . . .	2	1	3	3	2	5	5	3
Died . . . . .	125	147	272	2	3	5	127	150
Transferred to other hospitals . . . . .	3	11	14	—	1	1	3	12
Total discharged and died . . . . .	195	249	444	14	10	24	209	259
Patients remaining on books at end of institution year . . . . .	974	1,240	2,214	—	3	3	974	1,243

Patients remaining on books at end of institution year

TABLE 4. — *Nativity of First Admissions and of Parents of First Admissions for the Year ending Sept. 30, 1921.*

NATIVITY.	PATIENTS.			PARENTS OF MALE PATIENTS.			PARENTS OF FEMALE PATIENTS.		
	Males.	Females.	Totals.	Fathers.	Mothers.	Both Parents.	Fathers.	Mothers.	Both Parents.
United States . . . . .	99	86	185	23	23	17	23	19	16
Austria . . . . .	1	1	2	1	—	—	2	2	2
Azores . . . . .	1	—	1	1	1	1	—	—	—
Canada <sup>1</sup> . . . . .	15	14	29	10	13	7	13	14	10
England . . . . .	4	4	8	6	2	2	1	2	1
France . . . . .	—	1	1	—	—	—	2	—	—
Germany . . . . .	3	1	4	6	6	6	—	1	—
Greece . . . . .	2	—	2	1	1	1	—	—	—
Ireland . . . . .	25	41	66	61	62	54	58	57	52
Italy . . . . .	13	7	20	13	13	13	10	9	9
Norway . . . . .	1	1	2	—	—	—	1	1	1
Poland . . . . .	1	1	2	1	1	1	1	1	1
Portugal . . . . .	—	—	—	1	1	1	—	—	—
Russia . . . . .	13	6	19	13	13	13	6	6	6
Scotland . . . . .	3	2	5	2	2	2	3	2	1
Sweden . . . . .	5	—	5	2	2	2	—	—	—
Switzerland . . . . .	—	—	—	—	—	—	1	1	1
Turkey in Europe . . . . .	—	1	1	—	—	—	1	1	1
West Indies <sup>2</sup> . . . . .	1	1	2	—	1	—	1	1	1
Unascertained . . . . .	1	1	2	47	47	44	45	51	45
Total . . . . .	188	168	356	188	188	164	168	168	147

<sup>1</sup> Includes Newfoundland.<sup>2</sup> Except Cuba and Porto Rico.TABLE 5. — *Citizenship of First Admissions for the Year ending Sept. 30, 1921.*

	Males.	Females.	Totals.
Citizens by birth . . . . .	99	86	185
Citizens by naturalization . . . . .	34	11	45
Aliens . . . . .	27	33	60
Citizenship unascertained . . . . .	28	38	66
Total . . . . .	188	168	356

TABLE 6. — *Psychoses of First Admissions for the Year ending Sept. 30, 1921.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	3	—	3	3	—	3
2. Senile, total . . . . .	21	55	76	21	55	76
(a) Simple deterioration . . . . .	13	28	41	13	28	41
(b) Presbyophrenic type . . . . .	—	2	2	—	2	2
(c) Delirious and confused states . . . . .	—	—	—	—	—	—
(d) Depressed and agitated states in addition to deterioration . . . . .	3	4	7	3	4	7
(e) Paranoid states in addition to deterioration . . . . .	5	21	26	5	21	26
(f) Presenile types . . . . .	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	35	16	51	35	16	51
4. General paralysis . . . . .	32	11	43	32	11	43
5. With cerebral syphilis . . . . .	1	1	2	1	1	2
6. With Huntington's chorea . . . . .	—	1	1	—	1	1
7. With brain tumor . . . . .	—	—	—	—	—	—
8. With other brain or nervous diseases, total . . . . .	—	—	—	—	—	—
Cerebral embolism . . . . .	—	—	—	—	—	—
Paralysis agitans . . . . .	—	—	—	—	—	—
Meningitis, tuberculous or other forms . . . . .	—	—	—	—	—	—
Multiple sclerosis . . . . .	—	—	—	—	—	—
Tabes . . . . .	—	—	—	—	—	—
Acute chorea . . . . .	—	—	—	—	—	—
Other conditions . . . . .	—	—	—	—	—	—
9. Alcoholic, total . . . . .	19	3	22	19	3	22
(a) Pathological intoxication . . . . .	—	—	—	—	—	—
(b) Delirium tremens . . . . .	1	—	1	1	—	1
(c) Acute hallucinosis . . . . .	3	—	3	3	—	3
(d) Acute paranoid type . . . . .	2	—	2	2	—	2
(e) Korsakow's psychosis . . . . .	1	—	1	1	—	1
(f) Chronic hallucinosis . . . . .	1	2	3	1	2	3
(g) Chronic paranoid type . . . . .	2	1	3	2	1	3
(h) Alcoholic deterioration . . . . .	9	—	9	9	—	9
(i) Other types, acute or chronic . . . . .	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins, total . . . . .	—	1	1	—	1	1
(a) Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined . . . . .	—	1	1	—	1	1
(b) Metals, as lead, arsenic, etc. . . . .	—	—	—	—	—	—
(c) Gases . . . . .	—	—	—	—	—	—
(d) Other exogenous toxins . . . . .	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	1	1
12. With other somatic diseases, total . . . . .	2	—	2	2	—	2
(a) Delirium with infectious diseases . . . . .	—	—	—	—	—	—
(b) Post-infectious psychoses . . . . .	—	—	—	—	—	—
(c) Exhaustion delirium . . . . .	—	—	—	—	—	—
(d) Delirium of unknown origin . . . . .	—	—	—	—	—	—
(e) Diseases of the ductless glands . . . . .	—	—	—	—	—	—
(f) Cardio-renal disease . . . . .	—	—	—	—	—	—
(g) Other diseases or conditions (tuberculosis of lungs) . . . . .	2	—	2	2	—	2
13. Manic-depressive, total . . . . .	17	18	35	17	18	35
(a) Manic type . . . . .	8	10	18	8	10	18
(b) Depressive type . . . . .	9	7	16	9	7	16
(c) Stupor . . . . .	—	—	—	—	—	—
(d) Mixed type . . . . .	—	1	1	—	1	1
(e) Circular type . . . . .	—	—	—	—	—	—
14. Involution melancholia . . . . .	3	8	11	3	8	11

TABLE 6. — *Psychoses of First Admissions for the Year ending Sept. 30, 1921 — Concluded.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
15. Dementia præcox, total . . . . .	41	27	68			
(a) Paranoid type . . . . .	20	13	33			
(b) Katatonic type . . . . .	14	8	22			
(c) Hebephrenic type . . . . .	2	6	8			
(d) Simple type . . . . .	5	—	5			
16. Paranoia and paranoid conditions . . . . .	1	16	17			
17. Epileptic, total . . . . .	3	—	3			
(a) Deterioration . . . . .	—	—	—			
(b) Clouded states . . . . .	2	—	2			
(c) Other conditions (post-epileptic enfeeblement)	1	—	1			
18. Psychoneuroses and neuroses, total . . . . .	—	2	2			
(a) Hysterical type . . . . .	—	1	1			
(b) Psychasthenic type . . . . .	—	1	1			
(c) Neurasthenic type . . . . .	—	—	—			
(d) Anxiety neuroses . . . . .	—	—	—			
19. With psychopathic personality . . . . .	2	2	4			
20. With mental deficiency . . . . .	3	5	8			
21. Undiagnosed . . . . .	5	—	5			
22. Without psychosis, total . . . . .	—	1	1			
(a) Epilepsy without psychosis . . . . .	—	—	—			
(b) Alcoholism without psychosis . . . . .	—	—	—			
(c) Drug addiction without psychosis . . . . .	—	—	—			
(d) Psychopathic personality without psychosis . . . . .	—	—	—			
(e) Mental deficiency without psychosis . . . . .	—	1	1			
(f) Others . . . . .	—	—	—			
Total . . . . .	188	168	356			



TABLE 7. — *Race of First Admissions classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921.*

RACE.	TOTAL.			TRAUMATIC.			SENILE.			WITH CEREBRAL ARTERIO-SCLEROSIS.			GENERAL PARALYSIS.			WITH CEREBRAL SYPHILIS.			WITH HUNTINGTON'S CHOREA.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
African (black)	5	5	10	1	1	2	1	1	2	1	1	2	2	2	4	2	2	4	2	2	4
Armenian	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
English	39	27	66	15	10	25	14	10	24	14	10	24	5	3	8	5	3	8	5	3	8
German	7	2	9	2	1	3	1	2	3	1	2	3	1	1	2	1	1	2	1	1	2
Greek	2	2	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Hebrew	13	5	18	1	2	3	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4
Irish	78	68	146	27	22	49	12	4	16	12	4	16	10	2	12	10	2	12	10	2	12
Italian <sup>1</sup>	14	9	23	3	1	4	1	2	3	1	2	3	1	1	2	1	1	2	1	1	2
Lithuanian	3	1	4	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Magyar	1	2	3	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Portuguese	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scandinavian <sup>2</sup>	6	1	7	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Scandinavian <sup>3</sup>	3	5	8	1	3	4	1	3	4	1	3	4	1	3	4	1	3	4	1	3	4
Scotch	8	2	10	3	2	5	2	2	4	2	2	4	2	2	4	2	2	4	2	2	4
Slavonic <sup>3</sup>	8	16	24	2	3	5	2	3	5	2	3	5	2	3	5	2	3	5	2	3	5
Mixed	7	24	31	2	14	16	2	14	16	2	14	16	2	14	16	2	14	16	2	14	16
Race unascertained	188	168	356	3	3	6	35	16	51	35	16	51	32	11	43	32	11	43	32	11	43
Total	188	168	356	76	55	131	76	55	131	76	55	131	76	55	131	76	55	131	76	55	131

<sup>1</sup> Includes "North" and "South."<sup>2</sup> Norwegians, Danes and Swedes.<sup>3</sup> Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.





TABLE 8. — Age of First Admissions classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921.

PSYCHOSES.	TOTAL.			YEARS.																				
	Males.	Females.	Totals.	UNDER 15.			15-19.			20-24.			25-29.			30-34.			35-39.			40-44.		
				Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Traumatic . . . . .	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	21	55	76	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	35	16	51	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
4. General paralysis . . . . .	32	11	43	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	19	3	22	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	17	18	35	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
14. Involution melancholia . . . . .	3	8	11	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox . . . . .	41	27	68	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia or paranoid conditions . . . . .	1	16	17	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic . . . . .	3	3	6	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	3	5	8	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed . . . . .	5	5	10	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	188	168	356	—	—	—	5	5	10	17	5	22	12	14	26	18	8	26	15	13	28	17	14	31

TABLE 8. — *Age of First Admissions classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921 — Concluded.*

PSYCHOSES.	YEARS.												UNASCERTAINED.					
	45-49.			50-54.			55-59.			60-64.			65-69.			70 AND OVER.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	1	—	1	—	—	—	—	—	—	2	5	16	14	36	50	—	—	—
2. Senile . . . . .	1	—	1	1	5	6	1	1	2	11	13	2	12	3	15	—	—	—
3. With cerebral arteriosclerosis . . . . .	—	—	—	4	1	5	2	1	3	4	5	9	—	—	—	—	—	—
4. General paralysis . . . . .	9	2	11	3	3	6	—	—	—	—	1	1	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	1	—	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	1	—	1	3	—	3	3	—	3	3	—	3	2	—	2	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	—	—	—	1	—	1	2	—	2	1	2	3	1	—	1	—	—	—
13. Manic-depressive . . . . .	2	1	3	—	2	4	2	1	2	—	—	—	—	—	—	—	—	—
14. Involution melancholia . . . . .	—	3	3	1	3	4	1	1	2	—	—	—	—	—	—	—	—	—
15. Dementia præcox . . . . .	2	1	3	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—
16. Paranoia or paranoid conditions . . . . .	—	5	5	1	4	4	—	1	1	—	—	2	—	—	—	—	—	—
17. Epileptic . . . . .	—	—	—	1	1	1	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	—	1
20. With mental deficiency . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed . . . . .	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	17	13	30	16	18	34	9	9	18	10	17	27	25	13	38	27	39	66

TABLE 9. — Degree of Education of First Admissions classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921.

PSYCHOSES.	TOTAL.			ILLITERATE.			READS AND WRITES.			COMMON SCHOOL.			HIGH SCHOOL.			COLLEGE.			UNSCRIBED-TAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	3	—	3	—	—	—	1	—	1	2	—	2	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	21	55	76	—	—	—	6	—	6	27	—	27	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	35	16	51	—	—	—	18	—	18	7	—	7	—	—	—	—	—	—	—	—	—
4. General paralysis . . . . .	32	11	43	3	—	3	12	—	12	7	—	7	—	—	—	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	1	—	1	—	—	—	1	—	1	1	—	2	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	19	3	22	4	—	4	7	—	7	1	—	1	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	17	18	35	3	—	3	10	—	10	11	—	21	—	—	—	—	—	—	—	—	—
14. Involution melancholia . . . . .	3	—	3	—	—	—	2	—	2	4	—	6	—	—	—	—	—	—	—	—	—
15. Dementia praecox . . . . .	41	27	68	3	—	3	23	—	23	18	—	41	—	—	—	—	—	—	—	—	—
16. Paranoia or paranoid conditions . . . . .	1	16	17	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic . . . . .	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	5	5	10	—	—	—	2	—	2	2	—	4	—	—	—	—	—	—	—	—	—
21. Undiagnosed . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	188	108	356	16	21	37	92	78	170	24	26	50	4	2	6	19	19	38	—	—	—



TABLE 10. — *Environment of First Admissions classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921.*

PSYCHOSES.	TOTAL.			URBAN.			RURAL.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	3	—	3	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	21	55	76	21	55	76	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	35	16	51	35	16	51	—	—	—	—	—	—
4. General paralysis . . . . .	32	11	43	32	11	43	—	—	—	—	—	—
5. With cerebral syphilis . . . . .	1	1	2	1	1	2	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	1	1	—	1	1	—	—	—	—	—	—
7. With brain tumor . . . . .	—	1	1	—	1	1	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	19	3	22	19	3	22	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	1	1	—	1	1	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	1	1	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	—	2	2	—	2	—	—	—	—	—	—
13. Manic-depressive . . . . .	17	18	35	17	18	35	—	—	—	—	—	—
14. Involution melancholia . . . . .	3	8	11	3	8	11	—	—	—	—	—	—
15. Dementia præcox . . . . .	41	27	68	41	27	68	—	—	—	—	—	—
16. Paranoia or paranoid conditions . . . . .	1	16	17	1	16	17	—	—	—	—	—	—
17. Epileptic . . . . .	3	—	3	3	—	3	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	2	2	—	2	2	—	—	—	—	—	—
19. With psychopathic personality . . . . .	2	2	4	2	2	4	—	—	—	—	—	—
20. With mental deficiency . . . . .	3	5	8	3	5	8	—	—	—	—	—	—
21. Undiagnosed . . . . .	5	—	5	5	—	5	—	—	—	—	—	—
22. Without psychosis . . . . .	1	1	2	1	1	2	—	—	—	—	—	—
Total . . . . .	188	108	356	188	108	356	—	—	—	—	—	—

TABLE 11. — *Economic Condition of First Admissions classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921.*

PSYCHOSES.	TOTAL.			DEPENDENT.			MARGINAL.			COMFORTABLE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	3	—	3	5	18	23	3	17	20	3	18	21	2	18	23
2. Senile . . . . .	21	55	76	3	3	6	11	24	35	3	4	7	4	6	10
3. With cerebral arteriosclerosis . . . . .	35	16	51	3	2	5	25	7	32	4	4	8	5	4	9
4. General paralysis . . . . .	32	11	43	1	1	2	1	1	2	1	—	1	—	—	—
5. With cerebral syphilis . . . . .	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	19	3	22	3	1	4	13	1	14	1	1	2	2	—	2
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	17	18	35	1	5	6	12	12	24	3	1	4	1	1	2
14. Involution melancholia . . . . .	3	8	11	—	1	1	3	6	9	—	—	—	—	—	—
15. Dementia præcox . . . . .	41	27	68	6	8	14	33	15	48	1	1	2	1	3	4
16. Paranoia or paranoid conditions . . . . .	1	16	17	—	5	5	1	9	10	—	—	—	—	2	2
17. Epileptic . . . . .	3	—	3	—	—	—	3	—	3	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	2	2	1	1	2	1	1	2	—	—	—	—	1	1
20. With mental deficiency . . . . .	3	5	8	2	3	5	1	1	2	—	—	—	—	—	—
21. Undiagnosed . . . . .	5	5	10	1	1	2	4	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
Total . . . . .	188	168	356	23	49	72	137	78	215	13	6	19	15	35	50

TABLE 12. — *Use of Alcohol by First Admissions classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921.*

PSYCHOSES.	TOTAL.			ABSTINENT.			TEMPERATE.			INTERMEDIATE.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	21	55	76	2	—	2	1	5	6	1	3	4	4	17	21
2. Senile . . . . .	35	16	51	7	30	37	5	2	7	5	3	8	7	5	12
3. With cerebral arteriosclerosis . . . . .	32	11	43	7	4	11	8	2	10	11	—	13	6	5	11
4. General paralysis . . . . .	1	1	2	—	1	1	1	—	1	—	—	1	—	—	—
5. With cerebral syphilis . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	19	3	22	—	—	—	1	—	1	18	3	21	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	—	—	—	1	—	—	—	—	—	1	1
12. With other somatic diseases . . . . .	2	—	2	1	—	1	—	—	—	1	—	—	—	—	—
13. Manic-depressive . . . . .	17	18	35	8	—	8	7	4	11	2	2	4	—	3	2
14. Involution melancholia . . . . .	3	8	11	1	4	5	2	1	3	5	1	6	11	5	16
15. Dementia praecox . . . . .	41	27	68	16	14	30	9	7	16	5	1	6	—	6	11
16. Paranoia or paranoid conditions . . . . .	1	16	17	1	7	8	—	2	2	1	1	2	1	1	2
17. Epileptic . . . . .	3	—	3	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	2	2	2	1	3	—	—	—	—	—	—	—	1	1
19. With psychopathic personality . . . . .	2	2	4	2	—	2	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	3	5	8	1	2	3	2	1	3	—	—	—	—	2	2
21. Undiagnosed . . . . .	5	—	5	2	—	2	2	—	—	—	—	—	1	—	1
22. Without psychosis . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	188	163	356	57	80	137	47	27	74	54	14	68	30	47	77

TABLE 13. — *Marital Condition of First Admissions classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921.*

PSYCHOSES.	TOTAL.			SINGLE.			MARRIED.			WIDOWED.			SEPARATED.			DIVORCED.			UNASCERTAINED.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	3	—	3	2	—	2	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile . . . . .	21	55	76	16	—	16	11	—	21	9	28	37	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis . . . . .	35	16	51	5	2	7	20	7	27	10	7	17	—	—	—	—	—	—	—	—	—
4. General paralysis . . . . .	32	11	43	5	3	8	23	7	30	3	1	4	—	—	—	1	—	1	—	—	—
5. With cerebral syphilis . . . . .	1	1	2	—	—	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	19	3	22	9	1	10	9	2	11	1	—	1	—	—	—	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	—	2	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
13. Manic-depressive . . . . .	17	18	35	11	5	17	5	7	12	1	4	5	—	—	—	—	—	—	—	—	—
14. Involution melancholia . . . . .	3	8	11	—	5	5	3	2	5	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia praecox . . . . .	41	27	68	36	17	53	5	8	13	—	2	2	—	—	—	—	—	—	—	—	—
16. Dementia or paranoid conditions . . . . .	1	16	17	1	13	14	2	3	5	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic . . . . .	3	3	6	1	—	1	2	1	3	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	2	2	4	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
19. With psychopathic personality . . . . .	—	2	2	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20. With mental deficiency . . . . .	—	3	3	4	4	8	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed . . . . .	5	5	10	3	4	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total . . . . .	188	168	356	83	72	155	80	51	131	24	44	68	1	1	2	1	—	1	—	—	—

TABLE 14. — *Psychoses of Readmissions for the Year ending Sept. 30, 1921.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	-	-	-	-	-	-
2. Senile, total . . . . .	-	-	-	1	2	3
(a) Simple deterioration . . . . .	-	1	1	-	-	-
(b) Presbyophrenic type . . . . .	-	-	-	-	-	-
(c) Delirious and confused states . . . . .	-	-	-	-	-	-
(d) Depressed and agitated states in addition to deterioration . . . . .	-	-	-	-	-	-
(e) Paranoid states in addition to deterioration . . . . .	1	1	2	-	-	-
(f) Presenile types . . . . .	-	-	-	-	-	-
3. With cerebral arteriosclerosis . . . . .	-	-	-	3	2	5
4. General paralysis . . . . .	-	-	-	6	4	10
5. With cerebral syphilis . . . . .	-	-	-	-	-	-
6. With Huntington's chorea . . . . .	-	-	-	-	-	-
7. With brain tumor . . . . .	-	-	-	-	-	-
8. With other brain or nervous diseases, total . . . . .	-	-	-	-	-	-
Cerebral embolism . . . . .	-	-	-	-	-	-
Paralysis agitans . . . . .	-	-	-	-	-	-
Meningitis, tuberculous or other forms . . . . .	-	-	-	-	-	-
Multiple sclerosis . . . . .	-	-	-	-	-	-
Tabes . . . . .	-	-	-	-	-	-
Acute chorea . . . . .	-	-	-	-	-	-
Other conditions . . . . .	-	-	-	-	-	-
9. Alcoholic, total . . . . .	-	-	-	5	2	7
(a) Pathological intoxication . . . . .	-	-	-	-	-	-
(b) Delirium tremens . . . . .	-	-	-	-	-	-
(c) Acute hallucinosis . . . . .	3	-	3	-	-	-
(d) Acute paranoid type . . . . .	-	1	1	-	-	-
(e) Korsakow's psychosis . . . . .	-	-	-	-	-	-
(f) Chronic hallucinosis . . . . .	1	-	1	-	-	-
(g) Chronic paranoid type . . . . .	-	1	1	-	-	-
(h) Alcoholic deterioration . . . . .	1	-	1	-	-	-
(i) Other types, acute or chronic . . . . .	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins, total . . . . .	-	-	-	-	1	1
(a) Opium (and derivatives), cocaine, bromides, chloral, etc., alone or combined . . . . .	-	1	1	-	-	-
(b) Metals, as lead, arsenic, etc. . . . .	-	-	-	-	-	-
(c) Gases . . . . .	-	-	-	-	-	-
(d) Other exogenous toxins . . . . .	-	-	-	-	-	-
11. With pellagra . . . . .	-	-	-	-	-	-
12. With other somatic diseases, total . . . . .	-	-	-	-	1	1
(a) Delirium with infectious diseases . . . . .	-	-	-	-	-	-
(b) Post-infectious psychoses . . . . .	-	-	-	-	-	-
(c) Exhaustion delirium . . . . .	-	-	-	-	-	-
(d) Delirium of unknown origin . . . . .	-	-	-	-	-	-
(e) Diseases of the ductless glands . . . . .	-	-	-	-	-	-
(f) Cardio-renal disease . . . . .	-	-	-	-	-	-
(g) Other diseases or conditions (encephalitis lethargica) . . . . .	-	1	1	-	-	-
13. Manic-depressive, total . . . . .	-	-	-	28	26	54
(a) Manic type . . . . .	14	10	24	-	-	-
(b) Depressive type . . . . .	12	16	28	-	-	-
(c) Stupor . . . . .	-	-	-	-	-	-
(d) Mixed type . . . . .	2	-	2	-	-	-
(e) Circular type . . . . .	-	-	-	-	-	-
14. Involution melancholia . . . . .	-	-	-	-	1	1

TABLE 14. — *Psychoses of Readmissions for the Year ending Sept. 30, 1921 — Concluded.*

PSYCHOSES.	Males.	Females.	Totals.	Males.	Females.	Totals.
15. Dementia præcox, total . . . . .	.	.	.	18	13	31
(a) Paranoid type . . . . .	10	9	19			
(b) Katatonic type . . . . .	3	—	3			
(c) Hebephrenic type . . . . .	2	3	5			
(d) Simple type . . . . .	3	1	4			
16. Paranoia and paranoid conditions . . . . .	.	.	.	—	7	7
17. Epileptic, total . . . . .	.	.	.	—	—	—
(a) Deterioration . . . . .	—	—	—			
(b) Clouded states . . . . .	—	—	—			
(c) Other conditions . . . . .	—	—	—			
18. Psychoneuroses and neuroses, total . . . . .	.	.	.	—	—	—
(a) Hysterical type . . . . .	—	—	—			
(b) Psychasthenic type . . . . .	—	—	—			
(c) Neurasthenic type . . . . .	—	—	—			
(d) Anxiety neuroses . . . . .	—	—	—			
19. With psychopathic personality . . . . .	.	.	.	3	1	4
20. With mental deficiency . . . . .	.	.	.	5	1	6
21. Undiagnosed . . . . .	.	.	.	2	—	2
22. Without psychosis, total . . . . .	.	.	.	3	2	5
(a) Epilepsy without psychosis . . . . .	—	—	—			
(b) Alcoholism without psychosis . . . . .	—	—	—			
(c) Drug addiction without psychosis . . . . .	—	—	—			
(d) Psychopathic personality without psychosis . . . . .	1	—	1			
(e) Mental deficiency without psychosis . . . . .	—	2	2			
(f) Others (neurasthenia, 1; question of insanity, 1)	2	—	2			
Total . . . . .	.	.	.	74	63	137



TABLE 15. — Discharges of Patients classified with Reference to Principal Psychoses and Condition on Discharge for the Year ending Sept. 30, 1921.

PSYCHOSES.	TOTAL.			RECOVERED.			IMPROVED.			UNIMPROVED.			WITHOUT PSYCHOSIS.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	2	1	2	—	—	—	1	—	1	1	—	1	—	—	—
2. Senile . . . . .	4	5	9	—	—	—	—	2	2	4	—	4	—	—	—
3. With cerebral arteriosclerosis . . . . .	1	2	3	—	—	—	—	1	1	2	—	2	—	—	—
4. General paralysis . . . . .	5	2	7	—	—	—	—	1	1	2	—	2	—	—	—
5. With cerebral syphilis . . . . .	—	2	2	—	—	—	—	2	2	—	—	—	—	—	—
6. With Huntington's chorea . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic . . . . .	11	6	17	3	1	4	8	5	13	—	—	—	—	—	—
10. Due to drugs and other exogenous toxins . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11. With pellagra . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases . . . . .	2	4	6	—	3	3	1	1	2	1	—	1	—	—	—
13. Manic-depressive . . . . .	18	36	54	12	20	32	5	16	21	1	—	1	—	—	—
14. Involution melancholia . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
15. Dementia præcox . . . . .	18	15	33	—	—	—	13	10	23	5	—	5	—	—	—
16. Paranoia or paranoid conditions . . . . .	1	7	8	—	—	—	1	4	5	—	—	—	—	—	—
17. Epileptic . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses . . . . .	—	3	3	—	—	—	—	1	1	—	—	—	—	—	—
19. With psychopathic personality . . . . .	1	3	4	—	—	—	1	3	4	—	—	—	—	—	—
20. With mental deficiency . . . . .	2	5	7	1	—	1	1	5	6	—	—	—	—	—	—
21. Undiagnosed . . . . .	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis . . . . .	2	1	3	—	—	—	—	—	—	—	—	—	2	1	3
Total . . . . .	67	91	158	16	24	40	32	51	83	17	15	32	2	1	3



	6	12	18	2	6	8	1	-	1	1	2	3	1	-	1	-	1	1	1
DIGESTIVE SYSTEM:																			
Diarrhea and enteritis .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Intestinal obstruction .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Other diseases of intestines .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Other diseases of digestive system (cancer and tuberculosis excepted) .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
GENITO-URINARY SYSTEM:																			
Chronic nephritis .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Diseases of bladder .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
VIOLENCE:																			
Fractures .	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Total .	125	147	272	15	56	71	29	28	57	47	13	60	6	1	7	1	9	10	





TABLE 17. — Age of Patients at Time of Death classified with Reference to Principal Psychoses for the Year ending Sept. 30, 1921.

PSYCHOSES.	TOTAL.			YEARS.																				
				UNDER 15.			15-19.			20-24.			25-29.			30-34.			35-39.			40-44.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.			
1. Traumatic	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2. Senile	15	56	71	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
3. With cerebral arteriosclerosis	29	28	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
4. General paralysis	47	13	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
5. With cerebral syphilis	2	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
7. With brain tumor	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
8. With other brain or nervous diseases	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
9. Alcoholic	6	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
10. Due to drugs and other exogenous toxins	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
11. With pellagra	2	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
12. With other somatic diseases	1	9	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
13. Manic-depressive	4	3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
14. Involution melancholia	3	4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
15. Dementia precox	13	25	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
16. Paranoia or paranoid conditions	4	4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
17. Epileptic	3	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
19. With psychopathic personality	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
20. With mental deficiency	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
21. Undiagnosed	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Total	125	147	272	-	-	-	1	4	5	6	4	10	6	6	12	17	11	28	14	11	25			







TABLE 18. — *Total Duration of Hospital Life of Patients dying in Hospital classified according to Principal Psychoses for the Year ending Sept. 30, 1921 — Concluded.*

PSYCHOSES.	YEARS.												20 AND OVER.								
	5 6.			7-8.			9-10.			11-12.			13-14.			15-19.			20 AND OVER.		
	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.	Males.	Females.	Totals.
1. Traumatic . . . . .	2	1	3	1	3	4	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2
2. Senile . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
3. With cerebral arteriosclerosis . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
4. General paralysis . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
5. With cerebral syphilis . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
6. With Huntington's chorea . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
7. With brain tumor . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
8. With other brain or nervous diseases . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
9. Alcoholic . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
10. Due to drugs and other exogenous toxins . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
11. With pellagra . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
12. With other somatic diseases . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
13. Manic-depressive . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
14. Involution melancholia . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
15. Dementia præcox . . . . .	1	3	4	1	4	5	1	3	4	1	1	2	1	1	2	1	1	2	1	1	2
16. Paranoia or paranoid conditions . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
17. Epileptic . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
18. Psychoneuroses and neuroses . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
19. With psychopathic personality . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
20. With mental deficiency . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
21. Undiagnosed . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
22. Without psychosis . . . . .	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2
Total . . . . .	4	5	9	2	8	10	4	4	8	2	1	3	2	1	3	4	4	8	2	1	3

TABLE 19. — *Family Care Department, Year ending Sept. 30, 1921.*

	Males.	Females.	Totals.
Remaining in family care Sept. 30, 1920 . . . . .	—	8	8
Admitted within the year . . . . .	—	3	3
Nominally admitted from visit during the year . . . . .	—	—	—
Whole number of cases within the year . . . . .	—	11	11
Dismissed within the year . . . . .	—	3	3
Returned to institution . . . . .	—	3	3
Discharged . . . . .	—	—	—
On visit . . . . .	—	—	—
Remaining in family care Sept. 30, 1921 . . . . .	—	8	8
Supported by State . . . . .	—	2	2
Private . . . . .	—	4	4
Self-supporting . . . . .	—	2	2
Number of different persons within year . . . . .	—	11	11
Number of different persons admitted . . . . .	—	3	3
Number of different persons dismissed . . . . .	—	3	3
Average daily number . . . . .	—	8.87	8.87
State . . . . .	—	2.20	2.20
Private . . . . .	—	4.45	4.45
Self-supporting . . . . .	—	2.22	2.22
Reimbursing . . . . .	—	—	—



